



 **EUROTRONIC**



PRODUCT CATALOGUE - FILM CAPACITORS

2017 EDITION

QUALITY
CREATIVITY
SERVICE

ABOUT EUROPTRONIC

Founded in 1977 as a trading company, Europtronic has grown to become one of the leading film capacitor manufacturers in the power electronic markets, with products used in renewable energy, automotive, industrial electronic and telecommunication industries.

Europtronic offers a wide range of products, such as AC filter, DC link, snubber, high frequency, energy storage, EMI and general purpose capacitors for industrial and consumer applications. We take pride in our R&D capabilities and vision to be the “World’s 1st Choice Film Capacitor Brand and Manufacturer”. We are an experienced team to innovate new products and provide custom design solutions to customers.

With factories located in Suzhou and Nantong in eastern China, we manufacture and market film capacitors under the “Europtronic” brand via own sales offices and other distributors worldwide. Europtronic manufacturing facilities have obtained ISO9001, 14001 and TS16949 certifications.

On 4th July 2016, Europtronic (Suzhou) Co., Ltd was acquired 100% by Nantong Jianghai Power Electronic Co., Ltd, a wholly owned subsidiary of Nantong Jianghai Capacitor Co., Ltd. Nantong Jianghai Capacitor Co., Ltd was established in 1958, and listed on Shenzhen Stock Exchange in 2010 (stock code: 002484). The company is specialised in manufacturing and sale of capacitors, related materials and accessories.



A WORLD-CLASS MANUFACTURER OF FILM CAPACITOR



Table of Contents

General Information		
Part Number System (How to order)		By Type
Technical Term & Calculation Formulae		149
Capacitor Structural Design		152
GLOBAL OFFICES		153
Contact Us		154
General Purpose Capacitor		
MPH	Metallized Polypropylene Film Capacitor (Dip Type)	5
MPHB	Metallized Polypropylene Film Capacitor (Box Type)	8
MPHM	Miniature Metallized Polypropylene Film Capacitor (Dip Type)	12
MPEM	Miniature Metallized Polyester Film Capacitor (Dip Type)	14
MPLB	Polypropylene Capacitor with Double Sided Metallized Film (Box Type)	16
MPPS	High Voltage Metallized Polypropylene Film Capacitor (Dip Type)	23
PPSB	High Voltage Metallized Polypropylene Film Capacitor (Box Type)	26
DMPK	Polypropylene Capacitor with Series Metallized Film (Dip Type)	30
MPKB	Polypropylene Capacitor with Series Metallized Film (Box Type)	33
DMPE	Metallized Polyester Film Capacitor (Dip Type)	39
Interference Suppression Capacitor		
MPX2	Metallized Polypropylene Film Capacitor (Interference Suppressor Class X-2)	42
MPX2(THB)	Metallized Polypropylene Film Capacitor (Interference Suppressor Class X-2, THB Series)	47
MPXB	Metallized Polypropylene Film Capacitor For Capacitive Divider (Class X2)	52
Snubber Capacitor		
SLB	Metallized Polypropylene Film Capacitor (Radial Lead)	56
SLE	Metallized Polypropylene Film Capacitor (Lug Terminal)	61
SLW	Metallized Polypropylene Film Capacitor (Axial Lead)	67
DC-Link Capacitor		
DPB	Metallized Polypropylene Film Capacitor (Radial Lead)	71
DPBG	Metallized Polypropylene Film Capacitor (Radial Lead, THB Series)	78
DPG	Metallized Polypropylene Film Capacitor (Top Terminal)	85
DPM	Metallized Polypropylene Film Capacitor (Aluminium Can)	89
DPV	Metallized Polypropylene Film Capacitor (Customized Product for Electric Vehicle)	96
DPS	Metallized Polypropylene Film Capacitor (Stainless Steel Case)	107
AC-Filter Capacitor		
APB	Metallized Polypropylene Film Capacitor (Radial Lead 2 or 4 pins)	113
APBG	Metallized Polypropylene Film Capacitor (Radial Lead 2 or 4 pins, THB Series)	118
APW	Metallized Polypropylene Film Capacitor (Axial Lead)	122
APWG	Metallized Polypropylene Film Capacitor (Axial Lead, THB Series)	127
APM	Metallized Polypropylene Film Capacitor (Aluminum Can)	131
APT	Metallized Polypropylene Film Capacitor (Three Phase & Aluminum Can)	137
APA	Metallized Polypropylene Film AC Motor Capacitor (Aluminum Can)	142
APR	Metallized Polypropylene Film AC Motor Capacitor (Aluminium Can, Dual Rated)	146

General Purpose Capacitor

Series	Capacitance	Rated Voltage	Application	Page
MPH	0.1uF ~ 2.2uF	450Vdc ~ 630Vdc	PFC Circuits High Frequency/Current Multipurpose	5
MPHB	0.01uF ~ 3.3uF	450Vdc ~ 630Vdc	PFC Circuits High Frequency/Current Application Multipurpose	8
MPHM	0.047uF ~ 2.2uF	450Vdc ~ 520Vdc	PFC Circuits High Frequency/Current Multipurpose	12
MPEM	0.001uF ~ 1.0uF	50Vdc ~ 100Vdc	Blocking/By-Pass Circuits Coupling/De-Coupling Circuits Filtering and Low Pulse Circuits	14
MPLB	0.01uF ~ 4.7uF	630Vdc ~ 2000Vdc	Deflection Circuits in TV/Monitor Switching Spike Suppression in SMPS Electronic Ballast and Compact Lamps	16
MPPS	0.001uF ~ 0.047uF	1200Vdc ~ 2000Vdc	LED Lighting Horizontal Resonant Circuits High Frequency DC and Pulse Circuits	23
PPSB	0.00015uF ~ 0.068uF	1000Vdc ~ 2000Vdc	Deflection Circuits in TV/Monitor Electronic Ballast and Compact Lamps High Frequency DC and Pulse Circuits	26
DMPK	0.001uF ~ 0.1uF	400Vac ~ 900Vac	Electronic Lighting Ballasts Switching Power Supply Circuits Pulse Application with High Voltage/Current	30
MPKB	0.001uF ~ 3.3uF	400Vac ~ 900Vac	Electronic Lighting Ballasts Hi Frequency with AC Loading Pulse Application with High Voltage/Current	33
DMPE	0.1uF ~ 2.2uF	450Vdc ~ 630Vdc	LED Lighting/Electronic Ballasts Intermediate Circuits Capacitor for SMPS DC-Link/DC-Filter and PFC	39

Part Number System (How to order)

订购基本规格

EXPLANATION OF ARTICLE CODE

MPH-	105	K	2W	L	15	L	L
①	②	③	④	⑤	⑥	⑦	⑧

1 Capacitor Type

TYPE	MPH	MPHB	MPHM	MPEM	MPLB	MPPS	PPSB	DMPK	MPKB	DMPE	MPX2	MPXB(THB)	MPXB
CODE	MPH-	MPHB	MPHM	MPEM	MPLB	MPPS	PPSB	DMPK	MPKB	DMPE	MPX2	MPX2	MPXB

2 Rated Capacitance (EIA Code)

The rated capacitance value of the product is indicated with three digits. The first two digits indicate the two most significant digits of the capacitance value, and the third digit gives the number of following zeroes. This give the capacitance value expressed in picofarads.

Example:

102	=	1,000pF	=	1.0nF	=	0.001uF
103	=	10,000pF	=	10nF	=	0.01uF
104	=	100,000pF	=	100nF	=	0.1uF
105	=	1,000,000pF	=	1,000nF	=	1.0uF
106	=	10,000,000pF	=	10,000nF	=	10uF

3 Capacitance Tolerance

TOLERANCE	±1%	±2%	±3%	±5%	±10%	±20%	+80%-20%	+100%-0%
CODE	F	G	H	J	K	M	Z	P

4 Rated Voltage

Code for DC Voltage: (expressed in one digit & one letter code)

VOLTAGE	4.0V	6.3V	10V	12V	15V	16V	25V	35V	50V	63V	80V	100V	120V	125V	150V	160V	200V	250V	300V
CODE	0G	0J	1A	1M	1N	1C	1E	1V	1H	1J	1K	2A	2M	2B	2N	2C	2D	2E	2F

VOLTAGE	350V	400V	450V	500V	630V	800V	1000V	1200V	1250V	1500V	1600V	1800V	2000V	2500V	3000V	3500V
CODE	2V	2G	2W	2H	2J	2K	3A	3M	3B	3N	3C	3Q	3D	3E	3F	3V

Code for AC Voltage: (expressed in dual digit code)

VOLTAGE	125	180	200	220	230	250	275	280	305	320	350	370
CODE	12	18	20	22	23	25	27	28	30	32	35	37

VOLTAGE	400	440	450	500	600	700	800
CODE	40	44	45	50	60	70	80

Part Number System (How to order)

订购基本规格

5 Lead Configuration (expressed in one letter code)

CODE	L		B		C	D	E	F	G	H	A		V		T		U	
LEAD TYPE																		

* Code X for unspecified lead configuration.

6 Capacitor Lead Space (expressed in two digits or 1-digit-1-letter code)

Unit: mm

PITCH	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5
CODE	03	3P	04	4P	05	5P	06	6P	07	7P	08	8P	09	9P
PITCH	10.0	12.5	15.0	17.5	20.0	22.5	25.0	27.5	30.0	32.5	35.0	37.5		
CODE	10	12	15	17	20	22	25	27	30	32	35	37		

7 Lead Forming Pitch (expressed in one letter code)

Unit: mm

PITCH	5.0	7.5	10.0	12.5	15.0	17.5	20.0	22.5	25.0	27.5	30.0	35.0	37.5	Others	NA
CODE	A	H	B	G	C	N	D	W	E	F	U	V	Z	X	L

* Code L for 5 Codes L, B, A & U.

8 Code for lead length of (L₀) (expressed in one digit or one letter code)

Unit: mm

LEAD LENGTH	3.1	3.5	4.0	4.5	5.0	5.5	7.5	8.0	9.0	Taping	Others	NA
CODE	1	2	3	4	5	6	7	8	9	T	0	L

LEAD LENGTH	3.2	2.2	3.8	6.0	7.0	11.5	12.0	13.0	15.0	22	25	30
CODE	X	A	B	C	D	E	F	G	H	J	K	M

LEAD LENGTH	35	28	40	29	45
CODE	N	P	R	S	T

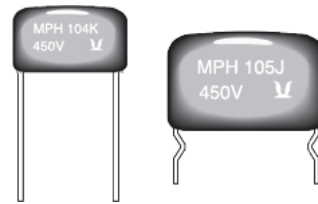
* Code L for 5 Codes L & A.

Metallized Polypropylene Film Capacitor (PFC)

MPH

金属化聚丙烯膜电容器
(功率因素校正)

MPH series is constructed with metallized polypropylene film as dielectric and electrode, and epoxy resin coating. They are suitable for applications where high current at high frequency and high stability are required. They are ideal for PFC circuit.



APPLICATION

PFC Circuits.

Pulse Application.

As intermediate circuit capacitor for SMPS.

FEATURES

High ripple current.

Self-healing properties.

High contact reliability and low losses.

High stability of capacitance and dissipation factor.

SPECIFICATIONS

Reference Standard:	IEC60384-16
Climatic Category:	40/105/56 IEC60068-1
Operating Temperature Range:	-40°C to +105°C
Rated Voltage:	450Vdc ~ 630Vdc
Capacitance Range:	0.1uF ~2.2uF
Capacitance Tolerance:	±5% or ±10% at +25°C
Dissipation Factor (DF):	≤ 0.001 (0.1%) at 1kHz at +25°C
Test Voltage Between Terminals:	1.5 x rated voltage for 10s (terminal to terminal)
Test Voltage Terminal to Case:	2.0KVac 50 Hz for 10 sec at +25°C
Insulation Resistance:	>30,000 MΩ (C≤0.33uF) at 100VDC 1 minute at +25°C >10,000 MΩ (C>0.33uF) at 100VDC 1 minute at +25°C
Life Expectancy:	100,000 hours at Un @ Hot-Spot temperature T=+85°C
Leads:	Tinned copper wires or Copper-clad Steel Wire
Packaging:	Packed in cardboard boxes with protection for the leads
RoHS Compliant	Compliant with the restricted substance requirements of Directive 2002/95/EC

Metallized Polypropylene Film Capacitor (PFC)

MPH

金属化聚丙烯膜电容器
(功率因素校正)

PART NUMBER REFERENCE AND DIMENSIONS

Vdc	Vac	Cap	Dimensions			Lead Space	Peak	dv/dt V/us	Lead	Part Number
		Value	W	H	T	P	Current		Wire	
		uF	mm	mm	mm	mm	A		mm	
450	220	0.1	13	11	5	10	40.0	400	0.6	MPH-104K2WL10LL
450	220	0.12	13	11	5	10	48.0	400	0.6	MPH-124K2WL10LL
450	220	0.15	13	11	5	10	60.0	400	0.6	MPH-154K2WL10LL
450	220	0.18	13	11.5	6	10	72.0	400	0.6	MPH-184K2WL10LL
450	220	0.22	13	12	6	10	88.0	400	0.6	MPH-224K2WL10LL
450	220	0.27	13	12.5	6.5	10	108.0	400	0.6	MPH-274K2WL10LL
450	220	0.33	13	14	7	10	132.0	400	0.6	MPH-334K2WL10LL
450	220	0.39	13	15	8	10	156.0	400	0.6	MPH-394K2WL10LL
450	220	0.47	13	16.5	8	10	188.0	400	0.6	MPH-474K2WL10LL
450	220	0.56	13	17.5	9	10	224.0	400	0.6	MPH-564K2WL10LL
450	220	0.68	13	18.5	10	10	272.0	400	0.6	MPH-684K2WL10LL
450	220	0.82	13	20.5	10.5	10	328.0	400	0.6	MPH-824K2WL10LL
450	220	1	13	21.5	11.5	10	400.0	400	0.6	MPH-105K2WL10LL
450	220	0.1	18	11	5	15	25.0	250	0.6	MPH-104K2WL15LL
450	220	0.12	18	11	5	15	30.0	250	0.6	MPH-124K2WL15LL
450	220	0.15	18	11	5	15	37.5	250	0.6	MPH-154K2WL15LL
450	220	0.18	18	11	5	15	45.0	250	0.6	MPH-184K2WL15LL
450	220	0.22	18	11	5	15	55.0	250	0.6	MPH-224K2WL15LL
450	220	0.33	18	12	6	15	82.5	250	0.6	MPH-334K2WL15LL
450	220	0.39	18	12.5	6.5	15	97.5	250	0.6	MPH-394K2WL15LL
450	220	0.47	18	13.5	7.5	15	117.5	250	0.6	MPH-474K2WL15LL
450	220	0.56	18	14	8	15	140.0	250	0.8	MPH-564K2WL15LL
450	220	0.68	18	14.5	8.5	15	170.0	250	0.8	MPH-684K2WL15LL
450	220	0.82	18	15.5	9	15	205.0	250	0.8	MPH-824K2WL15LL
450	220	1	18	17	9	15	250.0	250	0.8	MPH-105K2WL15LL
450	220	1.2	18	18.5	10.5	15	300.0	250	0.8	MPH-125K2WL15LL
450	220	1.5	25.5	15	9	22.5	150.0	100	0.8	MPH-155K2WL22LL
450	220	2.2	25.5	18	12	22.5	220.0	100	0.8	MPH-225K2WL22LL
550	250	0.1	13	11	5	10	40.0	400	0.6	MPH-104K2YL10LL
550	250	0.12	13	11	5	10	48.0	400	0.6	MPH-124K2YL10LL
550	250	0.15	13	12	6	10	60.0	400	0.6	MPH-154K2YL10LL
550	250	0.18	13	13	7	10	72.0	400	0.6	MPH-184K2YL10LL
550	250	0.22	13	14.5	7.5	10	88.0	400	0.6	MPH-224K2YL10LL
550	250	0.27	13	16.5	7.5	10	108.0	400	0.6	MPH-274K2YL10LL
550	250	0.33	13	17.5	8.5	10	132.0	400	0.6	MPH-334K2YL10LL
550	250	0.39	13	18	9.5	10	156.0	400	0.6	MPH-394K2YL10LL
550	250	0.47	13	19	10	10	188.0	400	0.6	MPH-474K2YL10LL
550	250	0.1	18	12	6	15	25.0	250	0.6	MPH-104K2YL15LL
550	250	0.12	18	12	6	15	30.0	250	0.6	MPH-124K2YL15LL
550	250	0.15	18	12	6	15	37.5	250	0.6	MPH-154K2YL15LL
550	250	0.18	18	12	6	15	45.0	250	0.6	MPH-184K2YL15LL
550	250	0.22	18	12	6	15	55.0	250	0.6	MPH-224K2YL15LL

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

Metallized Polypropylene Film Capacitor (PFC)

MPH

金属化聚丙烯膜电容器
(功率因素校正)

PART NUMBER REFERENCE AND DIMENSIONS

Vdc	Vac	Cap	Dimensions			Lead Space	Peak	dv/dt V/us	Lead	Part Number
		Value	W	H	T	P	Current		Wire	
		uF	mm	mm	mm	mm	A		mm	
550	250	0.27	18	12.5	6.5	15	67.5	250	0.6	MPH-274K2YL15LL
550	250	0.33	18	13.5	7.5	15	82.5	250	0.6	MPH-334K2YL15LL
550	250	0.39	18	13.5	7.5	15	97.5	250	0.6	MPH-394K2YL15LL
550	250	0.47	18	14.5	8.5	15	117.5	250	0.6	MPH-474K2YL15LL
550	250	0.56	18	16.5	8.5	15	140.0	250	0.8	MPH-564K2YL15LL
550	250	0.68	18	17.5	9	15	170.0	250	0.8	MPH-684K2YL15LL
550	250	0.82	18	19	10	15	205.0	250	0.8	MPH-824K2YL15LL
550	250	1	18	20.5	11	15	250.0	250	0.8	MPH-105K2YL15LL
550	250	1.2	25.5	17.5	9	22.5	120.0	100	0.8	MPH-125K2YL22LL
550	250	1.5	25.5	19.5	10.5	22.5	150.0	100	0.8	MPH-155K2YL22LL
550	250	2.2	25.5	22	12	22.5	220.0	100	0.8	MPH-225K2YL22LL
630	275	0.1	13	12	6	10	45.0	450	0.6	MPH-104K2JL10LL
630	275	0.12	13	13	7	10	54.0	450	0.6	MPH-124K2JL10LL
630	275	0.15	13	13	7	10	67.5	450	0.6	MPH-154K2JL10LL
630	275	0.18	13	15	8	10	81.0	450	0.6	MPH-184K2JL10LL
630	275	0.1	18	12	6	15	30.0	300	0.6	MPH-104K2JL15LL
630	275	0.12	18	12	6	15	36.0	300	0.6	MPH-124K2JL15LL
630	275	0.15	18	12	6	15	45.0	300	0.6	MPH-154K2JL15LL
630	275	0.18	18	13	7	15	54.0	300	0.6	MPH-184K2JL15LL
630	275	0.22	18	13	7	15	66.0	300	0.6	MPH-224K2JL15LL
630	275	0.27	18	14	7.5	15	81.0	300	0.6	MPH-274K2JL15LL
630	275	0.33	18	14.5	8	15	99.0	300	0.6	MPH-334K2JL15LL
630	275	0.39	18	15.5	8.5	15	117.0	300	0.6	MPH-394K2JL15LL
630	275	0.47	18	16.5	9	15	141.0	300	0.6	MPH-474K2JL15LL
630	275	0.56	18	17	10	15	168.0	300	0.8	MPH-564K2JL15LL
630	275	0.68	18	18.5	11.5	15	204.0	300	0.8	MPH-684K2JL15LL
630	275	0.82	18	20	11.5	15	246.0	300	0.8	MPH-824K2JL15LL
630	275	1	18	22	13	15	300.0	300	0.8	MPH-105K2JL15LL
630	275	1.2	25.5	19	11	22.5	180.0	150	0.8	MPH-125K2JL22LL
630	275	1.5	25.5	22	12	22.5	225.0	150	0.8	MPH-155K2JL22LL
630	275	1.8	25.5	23	13	22.5	270.0	150	0.8	MPH-185K2JL22LL
630	275	2.2	25.5	25	15	22.5	330.0	150	0.8	MPH-225K2JL22LL

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

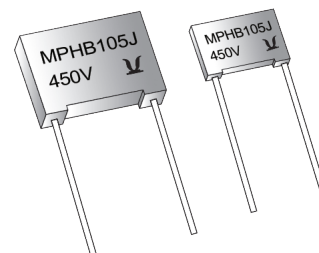
* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

Metallized Polypropylene Film Capacitor (PFC)

MPHB

金属化聚丙烯膜电容器
(功率因素校正)

MPHB series is constructed with metallized polypropylene film as dielectric and electrode, with encapsulated in plastic cases, and sealed with thermosetting epoxy resin material meeting UL 94V-0 requirement. They are suitable for applications where high current at high frequency and high stability are required. They are ideal for PFC circuit.



APPLICATION

PFC Circuits.

Pulse Application.

As intermediate circuit capacitor for SMPS.

Ballasts and compact lamps.

FEATURES

High ripple current.

Self-healing properties.

High contact reliability and low losses.

High stability of capacitance and dissipation factor.

SPECIFICATIONS

Reference Standard:	IEC60384-16
Climatic Category:	40/105/56 IEC60068-1
Operating Temperature Range:	-40°C to +105°C
Rated Voltage:	450Vdc ~ 630Vdc
Capacitance Range:	0.01uF ~3.3uF
Capacitance Tolerance:	±5% or ±10% at +25°C
Dissipation Factor (DF):	≤ 0.001 (0.1%) at 1kHz at +25°C
Test Voltage Between Terminals:	1.5 x rated voltage for 10s (terminal to terminal)
Test Voltage Terminal to Case:	2.0KVac 50 Hz for 10 sec at +25°C
Insulation Resistance:	>30,000 MΩ (C≤0.33uF) at 100VDC 1 minute at +25°C >10,000 MΩ (C>0.33uF) at 100VDC 1 minute at +25°C
Life Expectancy:	100,000 hours at Un @ Hot-Spot temperature T=+85°C
Leads:	Tinned copper wires or Copper-clad Steel Wire
Packaging:	Packed in cardboard boxes with protection for the leads
RoHS Compliant	Compliant with the restricted substance requirements of Directive 2002/95/EC

Metallized Polypropylene Film Capacitor (PFC)

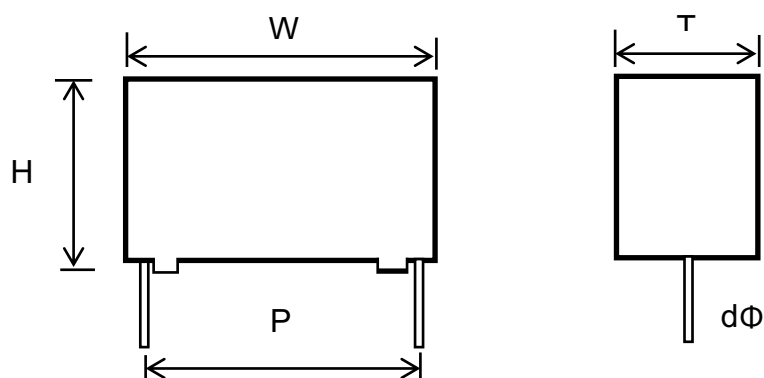
MPHB

金属化聚丙烯膜电容器

(功率因素校正)

PLASTIC CASE DIMENSIONS

Unit: mm



Case Code	W	H	T	P	d
	±1.0	±0.5	±0.5	±0.5	±0.1
C20	13	11	5	10	0.6
C30	13	12	6	10	0.6
C40	13	13	7	10	0.6
C41	13	14	8	10	0.6
C50	13	16	8	10	0.6
C90	18	19	10	10	0.6
D10	18	11	5	15	0.6
D20	18	12	6	15	0.6
D30	18	13.5	7.5	15	0.8
D31	18	17.5	6	15	0.6
D32	18	12.5	9	15	0.8
D40	18	14.5	8.5	15	0.8
D34	18	12	13	15	0.8
D50	18	16	10	15	0.8
D51	18	18	7	15	0.8
D60	18	19	11	15	0.8
E40	26	19	10	22.5	0.8
E50	26	20	11	22.5	0.8
E70	26	23	13	22.5	0.8

Metallized Polypropylene Film Capacitor (PFC)

MPHB

金属化聚丙烯膜电容器
(功率因素校正)

PART NUMBER REFERENCE AND DIMENSIONS

Vdc	Vac	Cap	Dimensions			Lead Space	Peak	dv/dt	Lead	Part Number
		Value	W	H	T	P	Current		Wire	
		uF	mm	mm	mm	mm	A		V/us	
450	220	0.1	13	11	5	10	25.0	250	0.6	MPHB104K2WL10LLAC20
450	220	0.15	13	11	5	10	37.5	250	0.6	MPHB154K2WL10LLAC20
450	220	0.22	13	11	5	10	55.0	250	0.6	MPHB224K2WL10LLAC20
450	220	0.33	13	12	6	10	82.5	250	0.6	MPHB334K2WL10LLAC30
450	220	0.39	13	13	7	10	97.5	250	0.6	MPHB394K2WL10LLAC40
450	220	0.47	13	13	7	10	117.5	250	0.6	MPHB474K2WL10LLAC40
450	220	0.56	13	14	8	10	140.0	250	0.6	MPHB564K2WL10LLAC41
450	220	0.68	13	16	8	10	170.0	250	0.6	MPHB684K2WL10LLAC50
450	220	0.82	13	19	10	10	205.0	250	0.6	MPHB824K2WL10LLAC90
450	220	1	13	19	10	10	250.0	250	0.6	MPHB105K2WL10LLAC90
450	220	0.1	18	11	5	15	16.0	160	0.6	MPHB104K2WL15LLAD10
450	220	0.15	18	11	5	15	24.0	160	0.6	MPHB154K2WL15LLAD10
450	220	0.22	18	12	6	15	35.2	160	0.6	MPHB224K2WL15LLAD20
450	220	0.33	18	17.5	6	15	52.8	160	0.6	MPHB334K2WL15LLAD31
450	220	0.47	18	13.5	7.5	15	75.2	160	0.8	MPHB474K2WL15LLAD30
450	220	0.47	18	17.5	6	15	75.2	160	0.6	MPHB474K2WL15LLAD31
450	220	0.47	18	12.5	9	15	75.2	160	0.8	MPHB474K2WL15LLAD32
450	220	0.68	18	17.5	6	15	108.8	160	0.6	MPHB684K2WL15LLAD31
450	220	0.68	18	14.5	8.5	15	108.8	160	0.8	MPHB684K2WL15LLAD40
450	220	0.68	18	12	13	15	108.8	160	0.8	MPHB684K2WL15LLAD34
450	220	0.82	18	14.5	8.5	15	131.2	160	0.8	MPHB824K2WL15LLAD40
450	220	0.82	18	12	13	15	131.2	160	0.8	MPHB824K2WL15LLAD34
450	220	1	18	16	10	15	160.0	160	0.8	MPHB105K2WL15LLAD50
450	220	1.5	18	19	11	15	240.0	160	0.8	MPHB155K2WL15LLAD60
450	220	2.2	26	19	10	22.5	220.0	100	0.8	MPHB225K2WL15LLAE40
450	220	3.3	26	23	13	22.5	330.0	100	0.8	MPHB335K2WL15LLAE70
550	250	0.1	13	11	5	10	30.0	300	0.6	MPHB104K2YL10LLAC20
550	250	0.15	13	12	6	10	45.0	300	0.6	MPHB154K2YL10LLAC30
550	250	0.22	13	13	7	10	66.0	300	0.6	MPHB224K2YL10LLAC40
550	250	0.33	13	14	8	10	99.0	300	0.6	MPHB334K2YL10LLAC41
550	250	0.47	13	16	8	10	141.0	300	0.6	MPHB474K2YL10LLAC50
550	250	0.1	18	11	5	15	20.0	200	0.6	MPHB104K2YL15LLAD10
550	250	0.15	18	11	5	15	30.0	200	0.6	MPHB154K2YL15LLAD10
550	250	0.22	18	12	6	15	44.0	200	0.6	MPHB224K2YL15LLAD20
550	250	0.33	18	17.5	6	15	66.0	200	0.6	MPHB334K2YL15LLAD31
550	250	0.33	18	13.5	7.5	15	66.0	200	0.8	MPHB334K2YL15LLAD30
550	250	0.33	18	12.5	9	15	66.0	200	0.8	MPHB334K2YL15LLAD32

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

Metallized Polypropylene Film Capacitor (PFC)

MPHB

金属化聚丙烯膜电容器
(功率因素校正)

PART NUMBER REFERENCE AND DIMENSIONS

Vdc	Vac	Cap	Dimensions			Lead Space	Peak	dv/dt	Lead	Part Number
		Value	W	H	T	P	Current		Wire	
		uF	mm	mm	mm	mm	A		V/us	
550	250	0.47	18	14.5	8.5	15	94.0	200	0.8	MPHB474K2YL15LLAD40
550	250	0.47	18	18	7	15	94.0	200	0.8	MPHB474K2YL15LLAD51
550	250	0.47	18	12	13	15	94.0	200	0.8	MPHB474K2YL15LLAD34
550	250	0.68	18	16	10	15	136.0	200	0.8	MPHB684K2YL15LLAD50
550	250	0.82	18	19	11	15	164.0	200	0.8	MPHB824K2YL15LLAD60
550	250	1	18	19	11	15	200.0	200	0.8	MPHB105K2YL15LLAD60
550	250	1.5	26	20	11	22.5	180.0	120	0.8	MPHB155K2YL22LLAE50
550	250	2.2	26	23	13	22.5	264.0	120	0.8	MPHB225K2YL22LLAE70
630	275	0.01	13	11	5	10	4.0	400	0.6	MPHB103K2JL10LLAC20
630	275	0.015	13	11	5	10	6.0	400	0.6	MPHB153K2JL10LLAC20
630	275	0.022	13	11	5	10	8.8	400	0.6	MPHB223K2JL10LLAC20
630	275	0.033	13	11	5	10	13.2	400	0.6	MPHB333K2JL10LLAC20
630	275	0.047	13	11	5	10	18.8	400	0.6	MPHB473K2JL10LLAC20
630	275	0.068	13	12	6	10	27.2	400	0.6	MPHB683K2JL10LLAC30
630	275	0.082	13	12	6	10	32.8	400	0.6	MPHB823K2JL10LLAC30
630	275	0.1	13	12	6	10	40.0	400	0.6	MPHB104K2JL10LLAC30
630	275	0.047	18	11	5	15	11.8	250	0.6	MPHB473K2JL15LLAD10
630	275	0.056	18	11	5	15	14.0	250	0.6	MPHB563K2JL15LLAD10
630	275	0.068	18	11	5	15	17.0	250	0.6	MPHB683K2JL15LLAD10
630	275	0.082	18	11	5	15	20.5	250	0.6	MPHB823K2JL15LLAD10
630	275	0.1	18	11	5	15	25.0	250	0.6	MPHB104K2JL15LLAD10
630	275	0.15	18	12	6	15	37.5	250	0.6	MPHB154K2JL15LLAD20
630	275	0.22	18	17.5	6	15	55.0	250	0.6	MPHB224K2JL15LLAD31
630	275	0.22	18	13.5	7.5	15	55.0	250	0.8	MPHB224K2JL15LLAD30
630	275	0.22	18	12.5	9	15	55.0	250	0.8	MPHB224K2JL15LLAD32
630	275	0.33	18	18	7	15	82.5	250	0.8	MPHB334K2JL15LLAD51
630	275	0.33	18	14.5	8.5	15	82.5	250	0.8	MPHB334K2JL15LLAD40
630	275	0.33	18	12.5	9	15	82.5	250	0.8	MPHB334K2JL15LLAD32
630	275	0.47	18	18	7	15	117.5	250	0.8	MPHB474K2JL15LLAD51
630	275	0.47	18	16	10	15	117.5	250	0.8	MPHB474K2JL15LLAD50
630	275	0.47	18	12	13	15	117.5	250	0.8	MPHB474K2JL15LLAD34
630	275	0.68	18	19	10	15	170.0	250	0.8	MPHB684K2JL15LLAD60
630	275	0.82	26	19	10	22.5	131.2	160	0.8	MPHB824K2JL22LLAE40
630	275	1	26	20	11	22.5	160.0	160	0.8	MPHB105K2JL22LLAE50

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

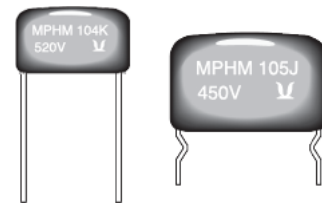
* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

Miniature Metallized Polypropylene Film Capacitor (PFC)

MPHM

金属化聚丙烯膜电容器
(功率因素校正)

MPHM series is miniature non-inductively wound with metallized polypropylene film as dielectric and electrode, and epoxy resin coating. They are suitable for applications where high current at high frequency and high stability are required. They are ideal for PFC circuit.



APPLICATION

PFC Circuits.

Pulse Application.

As intermediate circuit capacitor for SMPS.

FEATURES

High ripple current.

Self-healing properties.

High contact reliability and low losses.

High stability of capacitance and dissipation factor.

SPECIFICATIONS

Reference Standard:	IEC60384-16
Climatic Category:	40/105/56 IEC60068-1
Operating Temperature Range:	-40°C to +105°C
Rated Voltage:	450Vdc ~ 520Vdc
Capacitance Range:	0.047uF ~2.2uF
Capacitance Tolerance:	±5% or ±10% at +25°C
Dissipation Factor (DF):	≤ 0.001 (0.1%) at 1kHz at +25°C
Test Voltage Between Terminals:	1.5 x rated voltage for 10s (terminal to terminal)
Test Voltage Terminal to Case:	2.0KVac 50 Hz for 10 sec at +25°C
Insulation Resistance:	>30,000 MΩ (C≤0.33uF) at 100VDC 1 minute at +25°C >10,000 MΩ (C>0.33uF) at 100VDC 1 minute at +25°C
Life Expectancy:	100,000 hours at Un @ Hot-Spot temperature T=+85°C
Leads:	Tinned copper wires or Copper-clad Steel Wire
Packaging:	Packed in cardboard boxes with protection for the leads
RoHS Compliant	Compliant with the restricted substance requirements of Directive 2002/95/EC

Miniature Metallized Polypropylene Film Capacitor (PFC)

MPHM

金属化聚丙烯膜电容器
(功率因素校正)

PART NUMBER REFERENCE AND DIMENSIONS

Vdc	Vac	Cap	Dimensions			Lead Space	Peak	dv/dt	Lead	Part Number
		Value	W	H	T	P	Current		Wire	
		uF	mm	mm	mm	mm	A		V/us	
450	220	0.068	12.8	10.5	5.5	10	27.2	400	0.6	MPHM683K2WL10LL
450	220	0.082	12.8	10.5	5.5	10	32.8	400	0.6	MPHM823K2WL10LL
450	220	0.1	12.8	10.5	5.5	10	40.0	400	0.6	MPHM104K2WL10LL
450	220	0.15	12.8	10.5	6	10	60.0	400	0.6	MPHM154K2WL10LL
450	220	0.18	12.8	10.5	6	10	72.0	400	0.6	MPHM184K2WL10LL
450	220	0.22	12.8	12	6	10	88.0	400	0.6	MPHM224K2WL10LL
450	220	0.27	12.8	12	6.5	10	108.0	400	0.6	MPHM274K2WL10LL
450	220	0.33	12.8	13	6.5	10	132.0	400	0.6	MPHM334K2WL10LL
450	220	0.39	12.8	14	7	10	156.0	400	0.6	MPHM394K2WL10LL
450	220	0.47	12.8	15	7.5	10	188.0	400	0.6	MPHM474K2WL10LL
450	220	1.0	12.8	18.5	10.5	10	400.0	400	0.6	MPHM105K2WL10LL
450	220	0.22	17.8	10	5	15	55.0	250	0.6	MPHM224K2WL15LL
450	220	0.33	17.8	10.5	6	15	82.5	250	0.6	MPHM334K2WL15LL
450	220	0.47	17.8	12	6	15	117.5	250	0.6	MPHM474K2WL15LL
450	220	0.56	17.8	13.5	6	15	140.0	250	0.6	MPHM564K2WL15LL
450	220	0.68	17.8	14.5	6.5	15	170.0	250	0.6	MPHM684K2WL15LL
450	220	0.82	17.8	15	7.5	15	205.0	250	0.6	MPHM824K2WL15LL
450	220	1	17.8	15.5	8	15	250.0	250	0.8	MPHM105K2WL15LL
450	220	1.5	17.8	17.5	10	15	375.0	250	0.8	MPHM155K2WL15LL
450	220	1.8	17.8	18	11	15	450.0	250	0.8	MPHM185K2WL15LL
450	220	2.2	17.8	19	12.5	15	550.0	250	0.8	MPHM225K2WL15LL
520	240	0.047	12.8	10	5	10	18.8	400	0.6	MPHM473K2WL10LL
520	240	0.1	12.8	10	5	10	22.4	400	0.6	MPHM563K2XL10LL
520	240	0.068	12.8	10.5	5.5	10	27.2	400	0.6	MPHM683K2XL10LL
520	240	0.082	12.8	10.5	5.5	10	32.8	400	0.6	MPHM823K2XL10LL
520	240	0.1	12.8	10.5	5.5	10	40.0	400	0.6	MPHM104K2XL10LL
520	240	0.15	12.8	11	6.5	10	60.0	400	0.6	MPHM154K2XL10LL
520	240	0.18	12.8	12	7	10	72.0	400	0.6	MPHM184K2XL10LL
520	240	0.22	12.8	13.5	7	10	88.0	400	0.6	MPHM224K2XL10LL
520	240	0.33	12.8	16	8	10	132.0	400	0.6	MPHM334K2XL10LL
520	240	0.27	17.8	12.5	6	15	67.5	250	0.6	MPHM274K2XL15LL
520	240	0.33	17.8	13	6.5	15	82.5	250	0.6	MPHM334K2XL15LL
520	240	0.47	17.8	15	7	15	117.5	250	0.6	MPHM474K2XL15LL
520	240	0.56	17.8	15.5	8	15	140.0	250	0.8	MPHM564K2XL15LL
520	240	0.7	17.8	16.5	8.5	15	170.0	250	0.8	MPHM684K2XL15LL
520	240	0.82	17.8	17	9	15	205.0	250	0.8	MPHM824K2XL15LL
520	240	1	17.8	18	10	15	250.0	250	0.8	MPHM105K2XL15LL
520	240	1.5	17.8	20.5	12.5	15	375.0	250	0.8	MPHM155K2XL15LL

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

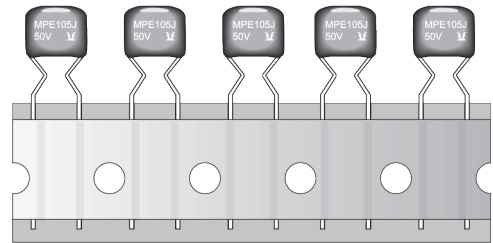
* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

Miniature Metallized Polyester Film Capacitor

MPEM

小型金属化聚酯膜电容器

MPEM series is constructed with special metallized polyester film as dielectric and electrode, and epoxy resin coating. They are suitable for blocking, coupling, decoupling, by-passing, filtering and timing circuits, and are ideal for telecommunication, data processing, industrial instruments and automatic control system equipments.



APPLICATION

Blocking, by-passing, filtering and timing circuits.

Coupling and de-coupling circuits.

Widely used in filtering and low pulse circuits.

FEATURES

Space-saving miniature size.

Self-healing properties.

Good solderability.

Available on tape and reel for automatic insertion.

SPECIFICATIONS

Reference Standard:	IEC60384-2
Climatic Category:	40/105/56 IEC60068-1
Operating Temperature Range:	-40°C to +105°C
Rated Voltage:	50Vdc ~ 100Vdc
Capacitance Range:	0.001uF ~1.0uF
Capacitance Tolerance:	±5% or ±10% at +25°C
Dissipation Factor (DF):	≤ 0.01 (1.0%) at 1kHz at +25°C
Test Voltage Between Terminals:	1.5 x rated voltage for 10s (terminal to terminal)
Test Voltage Terminal to Case:	2.0KVac 50 Hz for 10 sec at +25°C
Insulation Resistance:	>15,000 MΩ (C≤0.33uF) at 100VDC 1 minute at +25°C >5,000 MΩ (C>0.33uF) at 100VDC 1 minute at +25°C
Life Expectancy:	100,000 hours at Un @ Hot-Spot temperature T=+85°C
Leads:	Tinned copper wires or Copper-clad Steel Wire
Packaging:	Packed in cardboard boxes with protection for the leads
RoHS Compliant	Compliant with the restricted substance requirements of Directive 2002/95/EC

Miniature Metallized Polyester Film Capacitor

MPEM

小型金属化聚酯膜电容器

PART NUMBER REFERENCE AND DIMENSIONS

Vdc	Cap	Dimensions			Lead Space	Peak	dv/dt	Lead	Part Number
	Value	W	H	T	P	Current		Wire	
	uF	mm	mm	mm	mm	A		V/us	
100	0.001	8	8	5	5.0	0.1	120	0.5	MPEM102K2AL05LL
100	0.0015	8	8	5	5.0	0.2	120	0.5	MPEM152K2AL05LL
100	0.0022	8	8	5	5.0	0.3	120	0.5	MPEM222K2AL05LL
100	0.0027	8	8	5	5.0	0.3	120	0.5	MPEM272K2AL05LL
100	0.0033	8	8	5	5.0	0.4	120	0.5	MPEM332K2AL05LL
100	0.0039	8	8	5	5.0	0.5	120	0.5	MPEM392K2AL05LL
100	0.0047	8	8	5	5.0	0.6	120	0.5	MPEM472K2AL05LL
100	0.0056	8	8	5	5.0	0.7	120	0.5	MPEM562K2AL05LL
100	0.0068	8	8	5	5.0	0.8	120	0.5	MPEM682K2AL05LL
100	0.0082	8	8	5	5.0	1.0	120	0.5	MPEM822K2AL05LL
100	0.01	8	8	5	5.0	1.2	120	0.5	MPEM103K2AL05LL
100	0.012	8	8	5	5.0	1.4	120	0.5	MPEM123K2AL05LL
100	0.015	8	8	5	5.0	1.8	120	0.5	MPEM153K2AL05LL
100	0.018	8	8	5	5.0	2.2	120	0.5	MPEM183K2AL05LL
100	0.022	8	8	5	5.0	2.6	120	0.5	MPEM223K2AL05LL
100	0.027	8	8	5	5.0	3.2	120	0.5	MPEM273K2AL05LL
100	0.033	8	8	5	5.0	4.0	120	0.5	MPEM333K2AL05LL
100	0.039	8	8	5	5.0	4.7	120	0.5	MPEM393K2AL05LL
100	0.047	8	8	5	5.0	5.6	120	0.5	MPEM473K2AL05LL
100	0.056	8	8	5	5.0	6.7	120	0.5	MPEM563K2AL05LL
100	0.068	8	8	5	5.0	8.2	120	0.5	MPEM683K2AL05LL
100	0.082	8	8	5	5.0	9.8	120	0.5	MPEM823K2AL05LL
100	0.1	8	8.5	5.5	5.0	12.0	120	0.5	MPEM104K2AL05LL
100	0.12	8	8.5	5.5	5.0	14.4	120	0.5	MPEM124K2AL05LL
100	0.15	8	8.5	5.5	5.0	18.0	120	0.5	MPEM154K2AL05LL
100	0.18	8	8.5	5.5	5.0	21.6	120	0.5	MPEM184K2AL05LL
100	0.22	8	9	6	5.0	26.4	120	0.5	MPEM224K2AL05LL
100	0.33	10.5	10	5.5	7.5	26.4	80	0.5	MPEM334K2AL7PLL
100	0.39	10.5	10	5.5	7.5	31.2	80	0.5	MPEM394K2AL7PLL
100	0.47	10.5	10	5.5	7.5	37.6	80	0.5	MPEM474K2AL7PLL
100	0.56	10.5	10	5.5	7.5	44.8	80	0.5	MPEM564K2AL7PLL
100	0.68	10.5	11	6.5	7.5	54.4	80	0.5	MPEM684K2AL7PLL
100	0.82	10.5	12	7.0	7.5	65.6	80	0.5	MPEM824K2AL7PLL
100	1	10.5	12.5	7.5	7.5	80.0	80	0.5	MPEM105K2AL7PLL

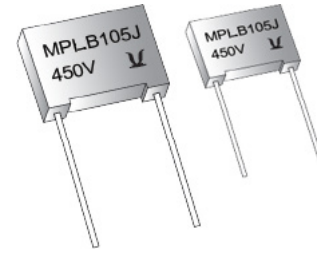
* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

Polypropylene Capacitor with Double Sided Metallized Film Electrodes DC and Pulse Applications

MPLB

双面金属化聚丙烯膜高压电容器



MPLB series is constructed of polypropylene film and double metallized polyester film as electrodes with radial leads, encapsulated in plastic case and sealed with epoxy resin material meeting the UL 94V-0 requirements. They are ideal for high frequency and high pulse-rise-time circuit, and find wide application in high voltage power supplies, snubbers and electronic lighting ballasts.

APPLICATION

- Deflection circuits in TV/Monitor.
- Switching spike suppression in SMPS.
- Electronic ballast and compact lamps.
- Application with high voltage and high current.

FEATURES

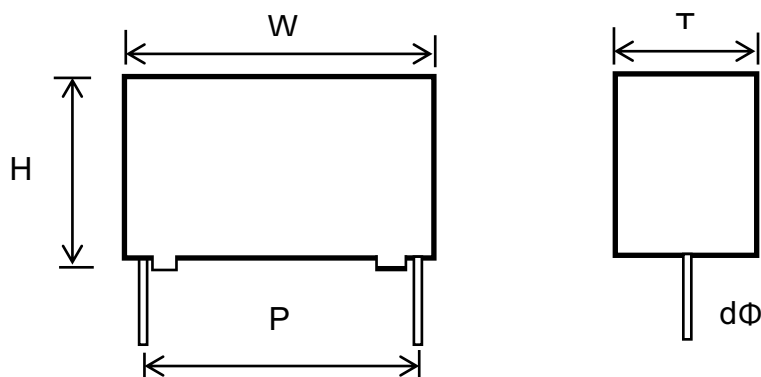
- High ripple current.
- Self-healing properties.
- High contact reliability and low losses.
- Suitable for high frequency application.

SPECIFICATIONS

Reference Standard:	IEC60384-16
Climatic Category:	40/105/56 IEC60068-1
Operating Temperature Range:	-40°C to +105°C
Rated Voltage:	630Vdc ~ 2000Vdc
Capacitance Range:	0.001uF ~4.7uF
Capacitance Tolerance:	±5% or ±10% at +25°C
Dissipation Factor (DF):	≤ 0.001 (0.1%) at 1kHz at +25°C
Test Voltage Between Terminals:	1.5 x rated voltage for 10s (terminal to terminal)
Test Voltage Terminal to Case:	2.0kVac 50 Hz for 10 sec at +25°C
Insulation Resistance:	IR x C ≥ 50,000 Seconds at 100VDC 1 minute at +25°C
Life Expectancy:	100,000 hours at Un @ Hot-Spot temperature T=+85°C
Leads:	Tinned copper wires or Copper-clad Steel Wire
Packaging:	Packed in cardboard boxes with protection for the leads
RoHS Compliant:	Compliant with the restricted substance requirements of Directive 2002/95/EC

PLASTIC CASE DIMENSIONS

Unit: mm



Polypropylene Capacitor with Double Sided Metallized Film Electrodes DC and Pulse Applications

MPLB

双面金属化聚丙烯膜高压电容器

PLASTIC CASE DIMENSIONS

Unit: mm

Case Code	W	H	T	P	d
	±1.0	±0.5	±0.5	±0.5	±0.1
C10	13	9	4	10	0.6
C20	13	11	5	10	0.6
C30	13	12	6	10	0.6
D10	18	11	5	15	0.6
D20	18	12	6	15	0.6
D30	18	13.5	7.5	15	0.8
D40	18	14.5	8.5	15	0.8
D32	18	12.5	9	15	0.8
D50	18	16	10	15	0.8
D60	18	19	11	15	0.8
D53	18	12	13	15	0.8
E10	26	15	6	22.5	0.8
E20	26	16.5	7	22.5	0.8
E30	26	17	8.5	22.5	0.8
E40	26	19	10	22.5	0.8
E50	26	20	11	22.5	0.8
E60	26	22	13	22.5	0.8
R10	32	17	9	27.5	0.8
R20	32	20	11	27.5	0.8
R30	32	22	13	27.5	0.8
R40	32	25	13	27.5	0.8
R50	32	28	14	27.5	0.8
R80	32	33	18	27.5	0.8
R94	32	37	22	27.5	0.8
T25	42	22	11	37.5	1
T80	42	24	13	37.5	1
T24	42	28	17	37.5	1
T50	42	32	19	37.5	1
T33	42	40	20	37.5	1
T61	42	44	24	37.5	1
T10	42	45	30	37.5	1.0

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

Polypropylene Capacitor with Double Sided Metallized Film Electrodes DC and Pulse Applications

MPLB

双面金属化聚丙烯膜高压电容器

PART NUMBER REFERENCE AND DIMENSIONS

Vdc	Vac	Cap	Dimensions			Lead Space	Peak	dv/dt	Lead	Part Number
		Value	W	H	T	P	Current		Wire	
		uF	mm	mm	mm	mm	A		V/us	
630	400	0.0039	13	9	4	10	11.7	3000	0.6	MPLB392J2JL10LLAC10
630	400	0.0047	13	9	4	10	14.1	3000	0.6	MPLB472J2JL10LLAC10
630	400	0.0056	13	9	4	10	16.8	3000	0.6	MPLB562J2JL10LLAC10
630	400	0.0068	13	9	4	10	20.4	3000	0.6	MPLB682J2JL10LLAC10
630	400	0.0082	13	9	4	10	24.6	3000	0.6	MPLB822J2JL10LLAC10
630	400	0.01	13	11	5	10	30.0	3000	0.6	MPLB103J2JL10LLAC20
630	400	0.012	13	11	5	10	36.0	3000	0.6	MPLB123J2JL10LLAC20
630	400	0.015	13	12	6	10	45.0	3000	0.6	MPLB153J2JL10LLAC30
630	400	0.018	13	12	6	10	54.0	3000	0.6	MPLB183J2JL10LLAC30
630	400	0.02	13	13	7	10	60.0	3000	0.6	MPLB203J2JL10LLAC40
630	400	0.022	13	13	7	10	66.0	3000	0.6	MPLB223J2JL10LLAC40
630	400	0.01	18	11	5	15	25.0	2500	0.6	MPLB103J2JL15LLAD10
630	400	0.012	18	11	5	15	30.0	2500	0.6	MPLB123J2JL15LLAD10
630	400	0.015	18	11	5	15	37.5	2500	0.6	MPLB153J2JL15LLAD10
630	400	0.018	18	11	5	15	45.0	2500	0.6	MPLB183J2JL15LLAD10
630	400	0.02	18	11	5	15	50.0	2500	0.6	MPLB203J2JL15LLAD10
630	400	0.022	18	11	5	15	55.0	2500	0.6	MPLB223J2JL15LLAD10
630	400	0.027	18	12	6	15	67.5	2500	0.6	MPLB273J2JL15LLAD20
630	400	0.033	18	12	6	15	82.5	2500	0.6	MPLB333J2JL15LLAD20
630	400	0.039	18	12	6	15	97.5	2500	0.6	MPLB393J2JL15LLAD20
630	400	0.047	18	13.5	7.5	15	117.5	2500	0.8	MPLB473J2JL15LLAD30
630	400	0.056	18	13.5	7.5	15	140.0	2500	0.8	MPLB563J2JL15LLAD30
630	400	0.068	18	14.5	8.5	15	170.0	2500	0.8	MPLB683J2JL15LLAD40
630	400	0.082	18	16	10	15	205.0	2500	0.8	MPLB823J2JL15LLAD50
630	400	0.1	18	16	10	15	250.0	2500	0.8	MPLB104J2JL15LLAD50
630	400	0.12	18	19	11	15	300.0	2500	0.8	MPLB124J2JL15LLAD60
630	400	0.12	26	16.5	7	22.5	180.0	1500	0.8	MPLB124J2JL22LLAE20
630	400	0.15	26	17	8.5	22.5	225.0	1500	0.8	MPLB154J2JL22LLAE30
630	400	0.18	26	17	8.5	22.5	270.0	1500	0.8	MPLB184J2JL22LLAE30
630	400	0.22	26	19	10	22.5	330.0	1500	0.8	MPLB224J2JL22LLAE40
630	400	0.27	26	20	11	22.5	405.0	1500	0.8	MPLB274J2JL22LLAE50
630	400	0.33	26	20	11	22.5	495.0	1500	0.8	MPLB334J2JL22LLAE50
630	400	0.39	26	22	13	22.5	585.0	1500	0.8	MPLB394J2JL22LLAE60
630	400	0.47	32	22	13	27.5	423.0	900	0.8	MPLB474J2JL27LLAR20
630	400	0.56	32	22	13	27.5	504.0	900	0.8	MPLB564J2JL27LLAR20
630	400	0.68	32	25	13	27.5	612.0	900	0.8	MPLB684J2JL27LLAR40
630	400	0.82	32	28	14	27.5	738.0	900	0.8	MPLB824J2JL27LLAR50
630	400	1	32	33	18	27.5	900.0	900	0.8	MPLB105J2JL27LLAR80
630	400	1.2	32	33	18	27.5	1080.0	900	0.8	MPLB125J2JL27LLAR80
630	400	1.5	32	37	22	27.5	1350.0	900	0.8	MPLB155J2JL27LLAR94
630	400	1.8	32	37	22	27.5	1620.0	900	0.8	MPLB185J2JL27LLAR94
630	400	2.2	42	40	20	37.5	1100.0	500	1	MPLB225J2JL37LLAT33

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

Polypropylene Capacitor with Double Sided Metallized Film Electrodes DC and Pulse Applications

MPLB

双面金属化聚丙烯膜高压电容器

PART NUMBER REFERENCE AND DIMENSIONS

Vdc	Vac	Cap	Dimensions			Lead Space	Peak	dv/dt V/us	Lead	Part Number
		Value	W	H	T	P	Current		Wire	
		uF	mm	mm	mm	mm	A		mm	
630	400	2.7	42	40	20	37.5	1350.0	500	1	MPLB275J2JL37LLAT33
630	400	3.3	42	44	22	37.5	1650.0	500	1	MPLB335J2JL37LLAT61
630	400	3.9	42	45	30	37.5	1950.0	500	1	MPLB395J2JL37LLAT10
630	400	4.7	42	45	30	37.5	2350.0	500	1	MPLB475J2JL37LLAT10
1000	500	0.0039	13	9	4	10	11.7	3000	0.6	MPLB392J3AL10LLAC10
1000	500	0.0047	13	9	4	10	14.1	3000	0.6	MPLB472J3AL10LLAC10
1000	500	0.0056	13	9	4	10	16.8	3000	0.6	MPLB562J3AL10LLAC10
1000	500	0.0068	13	9	4	10	20.4	3000	0.6	MPLB682J3AL10LLAC10
1000	500	0.0082	13	9	4	10	24.6	3000	0.6	MPLB822J3AL10LLAC10
1000	500	0.01	13	11	5	10	30.0	3000	0.6	MPLB103J3AL10LLAC20
1000	500	0.012	13	11	5	10	36.0	3000	0.6	MPLB123J3AL10LLAC20
1000	500	0.015	13	12	6	10	45.0	3000	0.6	MPLB153J3AL10LLAC30
1000	500	0.018	13	12	6	10	54.0	3000	0.6	MPLB183J3AL10LLAC30
1000	500	0.02	13	13	7	10	60.0	3000	0.6	MPLB203J3AL10LLAC40
1000	500	0.022	13	13	7	10	66.0	3000	0.6	MPLB223J3AL10LLAC40
1000	500	0.01	18	11	5	15	25.0	2500	0.6	MPLB103J3AL15LLAD10
1000	500	0.012	18	11	5	15	30.0	2500	0.6	MPLB123J3AL15LLAD10
1000	500	0.015	18	11	5	15	37.5	2500	0.6	MPLB153J3AL15LLAD10
1000	500	0.018	18	11	5	15	45.0	2500	0.6	MPLB183J3AL15LLAD10
1000	500	0.02	18	11	5	15	50.0	2500	0.6	MPLB203J3AL15LLAD10
1000	500	0.022	18	11	5	15	55.0	2500	0.6	MPLB223J3AL15LLAD10
1000	500	0.027	18	12	6	15	67.5	2500	0.6	MPLB273J3AL15LLAD20
1000	500	0.033	18	12	6	15	82.5	2500	0.6	MPLB333J3AL15LLAD20
1000	500	0.039	18	12	6	15	97.5	2500	0.6	MPLB393J3AL15LLAD20
1000	500	0.047	18	13.5	7.5	15	117.5	2500	0.8	MPLB473J3AL15LLAD30
1000	500	0.056	18	13.5	7.5	15	140.0	2500	0.8	MPLB563J3AL15LLAD30
1000	500	0.068	18	14.5	8.5	15	170.0	2500	0.8	MPLB683J3AL15LLAD40
1000	500	0.082	18	16	10	15	205.0	2500	0.8	MPLB823J3AL15LLAD50
1000	500	0.1	18	16	10	15	250.0	2500	0.8	MPLB104J3AL15LLAD50
1000	500	0.12	18	19	11	15	300.0	2500	0.8	MPLB124J3AL15LLAD60
1000	500	0.12	26	16.5	7	22.5	180.0	1500	0.8	MPLB124J3AL22LLAE20
1000	500	0.15	26	17	8.5	22.5	225.0	1500	0.8	MPLB154J3AL22LLAE30
1000	500	0.18	26	17	8.5	22.5	270.0	1500	0.8	MPLB184J3AL22LLAE30
1000	500	0.22	26	19	10	22.5	330.0	1500	0.8	MPLB224J3AL22LLAE40
1000	500	0.27	26	20	11	22.5	405.0	1500	0.8	MPLB274J3AL22LLAE50
1000	500	0.33	26	20	11	22.5	495.0	1500	0.8	MPLB334J3AL22LLAE50
1000	500	0.39	26	22	13	22.5	585.0	1500	0.8	MPLB394J3AL22LLAE60
1000	500	0.47	32	22	13	27.5	423.0	900	0.8	MPLB474J3AL27LLAR20
1000	500	0.56	32	22	13	27.5	504.0	900	0.8	MPLB564J3AL27LLAR20
1000	500	0.68	32	25	13	27.5	612.0	900	0.8	MPLB684J3AL27LLAR40
1000	500	0.82	32	28	14	27.5	738.0	900	0.8	MPLB824J3AL27LLAR50
1000	500	1	32	33	18	27.5	900.0	900	0.8	MPLB105J3AL27LLAR80

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

Polypropylene Capacitor with Double Sided Metallized Film Electrodes DC and Pulse Applications

MPLB

双面金属化聚丙烯膜高压电容器

PART NUMBER REFERENCE AND DIMENSIONS

Vdc	Vac	Cap	Dimensions			Lead Space	Peak	dv/dt	Lead	Part Number
		Value	W	H	T	P	Current		Wire	
		uF	mm	mm	mm	mm	A		V/us	
1000	500	1.2	32	33	18	27.5	1080.0	900	0.8	MPLB125J3AL27LLAR80
1000	500	1.5	32	37	22	27.5	1350.0	900	0.8	MPLB155J3AL27LLAR94
1000	500	1.8	32	37	22	27.5	1620.0	900	0.8	MPLB185J3AL27LLAR94
1000	500	2.2	42	40	20	37.5	1100.0	500	1	MPLB225J3AL37LLAT33
1000	500	2.7	42	40	20	37.5	1350.0	500	1	MPLB275J3AL37LLAT33
1000	500	3.3	42	44	22	37.5	1650.0	500	1	MPLB335J3AL37LLAT61
1000	500	3.9	42	45	30	37.5	1950.0	500	1	MPLB395J3AL37LLAT10
1000	500	4.7	42	45	30	37.5	2350.0	500	1	MPLB475J3AL37LLAT10
1200	600	0.001	13	9	4	10	4.8	4800	0.6	MPLB102J3ML10LLAC10
1200	600	0.0012	13	9	4	10	5.8	4800	0.6	MPLB122J3ML10LLAC10
1200	600	0.0015	13	9	4	10	7.2	4800	0.6	MPLB152J3ML10LLAC10
1200	600	0.0018	13	9	4	10	8.6	4800	0.6	MPLB182J3ML10LLAC10
1200	600	0.0022	13	9	4	10	10.6	4800	0.6	MPLB222J3ML10LLAC10
1200	600	0.0027	13	9	4	10	13.0	4800	0.6	MPLB272J3ML10LLAC10
1200	600	0.0033	13	9	4	10	15.8	4800	0.6	MPLB332J3ML10LLAC10
1200	600	0.0039	13	11	5	10	18.7	4800	0.6	MPLB392J3ML10LLAC20
1200	600	0.0047	13	11	5	10	22.6	4800	0.6	MPLB472J3ML10LLAC20
1200	600	0.0056	13	11	5	10	26.9	4800	0.6	MPLB562J3ML10LLAC20
1200	600	0.0068	13	11	5	10	32.6	4800	0.6	MPLB682J3ML10LLAC20
1200	600	0.0082	13	11	5	10	39.4	4800	0.6	MPLB822J3ML10LLAC20
1200	600	0.01	18	11	5	15	33.0	3300	0.6	MPLB103J3ML15LLAD10
1200	600	0.012	18	11	5	15	39.6	3300	0.6	MPLB123J3ML15LLAD10
1200	600	0.015	18	11	5	15	49.5	3300	0.6	MPLB153J3ML15LLAD10
1200	600	0.018	18	11	5	15	59.4	3300	0.6	MPLB183J3ML15LLAD10
1200	600	0.02	18	11	5	15	66.0	3300	0.6	MPLB203J3ML15LLAD10
1200	600	0.022	18	12	6	15	72.6	3300	0.6	MPLB223J3ML15LLAD20
1200	600	0.027	18	13.5	7.5	15	89.1	3300	0.8	MPLB273J3ML15LLAD30
1200	600	0.033	18	13.5	7.5	15	108.9	3300	0.8	MPLB333J3ML15LLAD30
1200	600	0.039	18	14.5	8.5	15	128.7	3300	0.8	MPLB393J3ML15LLAD40
1200	600	0.047	26	16.5	7	22.5	103.4	2200	0.8	MPLB473J3ML22LLAE20
1200	600	0.056	26	16.5	7	22.5	123.2	2200	0.8	MPLB563J3ML22LLAE20
1200	600	0.068	26	17	8.5	22.5	149.6	2200	0.8	MPLB683J3ML22LLAE30
1200	600	0.082	26	19	10	22.5	180.4	2200	0.8	MPLB823J3ML22LLAE40
1200	600	0.1	26	19	10	22.5	220.0	2200	0.8	MPLB104J3ML22LLAE40
1200	600	0.12	26	20	11	22.5	264.0	2200	0.8	MPLB124J3ML22LLAE50
1200	600	0.15	26	22	13	22.5	330.0	2200	0.8	MPLB154J3ML22LLAE60
1200	600	0.18	32	20	11	27.5	180.0	1000	0.8	MPLB184J3ML27LLAR20
1200	600	0.22	32	22	13	27.5	220.0	1000	0.8	MPLB224J3ML27LLAR30
1200	600	0.27	32	25	13	27.5	270.0	1000	0.8	MPLB274J3ML27LLAR40
1200	600	0.33	32	28	14	27.5	330.0	1000	0.8	MPLB334J3ML27LLAR50
1200	600	0.39	32	33	18	27.5	390.0	1000	0.8	MPLB394J3ML27LLAR80
1200	600	0.47	32	33	18	27.5	470.0	1000	0.8	MPLB474J3ML27LLAR80

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

Polypropylene Capacitor with Double Sided Metallized Film Electrodes DC and Pulse Applications

MPLB

双面金属化聚丙烯膜高压电容器

PART NUMBER REFERENCE AND DIMENSIONS

Vdc	Vac	Cap	Dimensions			Lead Space	Peak	dv/dt	Lead	Part Number
		Value	W	H	T	P	Current		Wire	
		uF	mm	mm	mm	mm	A		V/us	
1200	600	0.56	32	37	22	27.5	560.0	1000	0.8	MPLB564J3ML27LLAR94
1200	600	0.68	32	37	22	27.5	680.0	1000	0.8	MPLB684J3ML27LLAR94
1200	600	0.82	42	40	20	37.5	410.0	500	1	MPLB824J3ML37LLAT33
1200	600	1	42	40	20	37.5	500.0	500	1	MPLB105J3ML37LLAT33
1200	600	1.2	42	44	24	37.5	600.0	500	1	MPLB125J3ML37LLAT61
1200	600	1.5	42	44	24	37.5	750.0	500	1	MPLB155J3ML37LLAT61
1200	600	1.8	42	45	30	37.5	900.0	500	1	MPLB185J3ML37LLAT10
1200	600	2.2	42	45	30	37.5	1100.0	500	1	MPLB225J3ML37LLAT10
1600	650	0.0056	18	11	5	15	33.6	6000	0.6	MPLB562J3CL15LLAD10
1600	650	0.0068	18	11	5	15	40.8	6000	0.6	MPLB682J3CL15LLAD10
1600	650	0.0082	18	11	5	15	49.2	6000	0.6	MPLB822J3CL15LLAD10
1600	650	0.01	18	11	5	15	60.0	6000	0.6	MPLB103J3CL15LLAD10
1600	650	0.012	18	12	6	15	72.0	6000	0.6	MPLB123J3CL15LLAD20
1600	650	0.015	18	12	6	15	90.0	6000	0.6	MPLB153J3CL15LLAD20
1600	650	0.018	18	13.5	7.5	15	108.0	6000	0.8	MPLB183J3CL15LLAD30
1600	650	0.022	18	13.5	7.5	15	132.0	6000	0.8	MPLB223J3CL15LLAD30
1600	650	0.027	18	14.5	8.5	15	162.0	6000	0.8	MPLB273J3CL15LLAD40
1600	650	0.033	18	14.5	8.5	15	198.0	6000	0.8	MPLB333J3CL15LLAD40
1600	650	0.039	26	16.5	7	22.5	117.0	3000	0.8	MPLB393J3CL22LLAE20
1600	650	0.047	26	16.5	7	22.5	141.0	3000	0.8	MPLB473J3CL22LLAE20
1600	650	0.056	26	17	8.5	22.5	168.0	3000	0.8	MPLB563J3CL22LLAE30
1600	650	0.068	26	19	10	22.5	204.0	3000	0.8	MPLB683J3CL22LLAE40
1600	650	0.082	26	19	10	22.5	246.0	3000	0.8	MPLB823J3CL22LLAE40
1600	650	0.1	26	20	11	22.5	300.0	3000	0.8	MPLB104J3CL22LLAE50
1600	650	0.12	32	22	13	27.5	240.0	2000	0.8	MPLB124J3CL27LLAR20
1600	650	0.15	32	25	13	27.5	300.0	2000	0.8	MPLB154J3CL27LLAR30
1600	650	0.18	32	28	14	27.5	360.0	2000	0.8	MPLB184J3CL27LLAR50
1600	650	0.22	32	33	18	27.5	440.0	2000	0.8	MPLB224J3CL27LLAR80
1600	650	0.27	32	33	18	27.5	540.0	2000	0.8	MPLB274J3CL27LLAR80
1600	650	0.33	32	33	18	27.5	660.0	2000	0.8	MPLB334J3CL27LLAR80
1600	650	0.39	32	37	22	27.5	780.0	2000	0.8	MPLB394J3CL27LLAR94
1600	650	0.47	32	37	22	27.5	940.0	2000	0.8	MPLB474J3CL27LLAR94
1600	650	0.47	42	32	19	37.5	564.0	1200	1	MPLB474J3CL37LLAT50
1600	650	0.56	42	40	20	37.5	672.0	1200	1	MPLB564J3CL37LLAT33
1600	650	0.68	42	40	20	37.5	816.0	1200	1	MPLB684J3CL37LLAT33
1600	650	0.82	42	44	24	37.5	984.0	1200	1	MPLB824J3CL37LLAT61
1600	650	1	42	44	24	37.5	1200.0	1200	1	MPLB105J3CL37LLAT61
1600	650	1.2	42	45	30	37.5	1440.0	1200	1	MPLB125J3CL37LLAT10
2000	700	0.001	18	11	5	15	9.5	9500	0.6	MPLB102J3DL15LLAD10
2000	700	0.0012	18	11	5	15	11.4	9500	0.6	MPLB122J3DL15LLAD10
2000	700	0.0015	18	11	5	15	14.3	9500	0.6	MPLB152J3DL15LLAD10
2000	700	0.0018	18	11	5	15	17.1	9500	0.6	MPLB182J3DL15LLAD10

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

Polypropylene Capacitor with Double Sided Metallized Film Electrodes DC and Pulse Applications

MPLB

聚丙烯双面金属化膜高压电容器

PART NUMBER REFERENCE AND DIMENSIONS

Vdc	Vac	Cap	Dimensions			Lead Space	Peak	dv/dt	Lead	Part Number
		Value	W	H	T	P	Current		Wire	
		uF	mm	mm	mm	mm	A		V/us	
2000	700	0.0022	18	11	5	15	20.9	9500	0.6	MPLB222J3DL15LLAD10
2000	700	0.0027	18	11	5	15	25.7	9500	0.6	MPLB272J3DL15LLAD10
2000	700	0.0033	18	11	5	15	31.4	9500	0.6	MPLB332J3DL15LLAD10
2000	700	0.0039	18	11	5	15	37.1	9500	0.6	MPLB392J3DL15LLAD10
2000	700	0.0047	18	11	5	15	44.7	9500	0.6	MPLB472J3DL15LLAD10
2000	700	0.0056	18	12	6	15	53.2	9500	0.6	MPLB562J3DL15LLAD20
2000	700	0.0068	18	12	6	15	64.6	9500	0.6	MPLB682J3DL15LLAD20
2000	700	0.0082	18	12	6	15	77.9	9500	0.6	MPLB822J3DL15LLAD20
2000	700	0.01	18	13.5	7.5	15	95.0	9500	0.8	MPLB103J3DL15LLAD30
2000	700	0.012	18	14.5	8.5	15	114.0	9500	0.8	MPLB123J3DL15LLAD40
2000	700	0.015	18	14.5	8.5	15	142.5	9500	0.8	MPLB153J3DL15LLAD40
2000	700	0.018	18	16	10	15	171.0	9500	0.8	MPLB183J3DL15LLAD50
2000	700	0.022	26	16.5	7	22.5	77.0	3500	0.8	MPLB223J3DL22LLAE20
2000	700	0.027	26	16.5	7	22.5	94.5	3500	0.8	MPLB273J3DL22LLAE20
2000	700	0.033	26	17	8.5	22.5	115.5	3500	0.8	MPLB333J3DL22LLAE30
2000	700	0.039	26	19	10	22.5	136.5	3500	0.8	MPLB393J3DL22LLAE40
2000	700	0.047	26	19	10	22.5	164.5	3500	0.8	MPLB473J3DL22LLAE40
2000	700	0.056	26	20	11	22.5	196.0	3500	0.8	MPLB563J3DL22LLAE50
2000	700	0.068	32	22	13	27.5	170.0	2500	0.8	MPLB683J3DL27LLAR20
2000	700	0.082	32	25	13	27.5	205.0	2500	0.8	MPLB823J3DL27LLAR30
2000	700	0.1	32	28	14	27.5	250.0	2500	0.8	MPLB104J3DL27LLAR50
2000	700	0.12	32	33	18	27.5	300.0	2500	0.8	MPLB124J3DL27LLAR80
2000	700	0.15	32	33	18	27.5	375.0	2500	0.8	MPLB154J3DL27LLAR80
2000	700	0.18	32	37	22	27.5	450.0	2500	0.8	MPLB184J3DL27LLAR94
2000	700	0.22	32	37	22	27.5	550.0	2500	0.8	MPLB224J3DL27LLAR94
2000	700	0.22	42	32	19	37.5	330.0	1500	1	MPLB224J3DL37LLAT50
2000	700	0.27	42	40	20	37.5	405.0	1500	1	MPLB274J3DL37LLAT33
2000	700	0.33	42	40	20	37.5	495.0	1500	1	MPLB334J3DL37LLAT33
2000	700	0.39	42	44	24	37.5	585.0	1500	1	MPLB394J3DL37LLAT61
2000	700	0.47	42	44	24	37.5	705.0	1500	1.0	MPLB474J3DL37LLAT61
2000	700	0.56	42	45	30	37.5	840.0	1500	1.0	MPLB564J3DL37LLAT10
2000	700	0.68	42	45	30	37.5	1020.0	1500	1.0	MPLB684J3DL37LLAT10

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

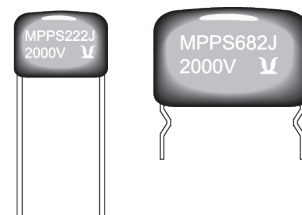
* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

High Voltage Metallized Polypropylene Film Capacitor

MPPS

高压金属化聚丙烯膜电容器

MPPS series is constructed with metallized polypropylene film and aluminum foil, sealed with epoxy resin coating. They are ideal for high frequency and high pulse-rise-time circuits, and find wide applications in high voltage power supplies, snubbers and electronic lighting ballasts.



APPLICATION

Deflection circuits in TV.

switching spikes suppression in SMPS.

Snubber and silicon-controlled rectifier commutation circuits.

Switching circuits in electronic ballasts.

FEATURES

High ripple current, high dv/dt.

Self-healing properties.

High contact reliability and low losses.

Suitable for high frequency applications.

SPECIFICATIONS

Reference Standard:	IEC60384-17
Climatic Category:	40/105/56 IEC60068-1
Operating Temperature Range:	-40°C to +105°C
Rated Voltage:	1200Vdc ~ 2000Vdc
Capacitance Range:	0.001uF ~0.047uF
Capacitance Tolerance:	±3% or ±5% or ±10% at +25°C
Dissipation Factor (DF):	≤ 0.001 (0.1%) at 1kHz at +25°C
Test Voltage Between Terminals:	1.5 x rated voltage for 10s (terminal to terminal)
Test Voltage Terminal to Case:	2.0KVac 50 Hz for 10 sec at +25°C
Insulation Resistance:	IR x C≥50,000 Seconds at 100VDC 1 minute at +25°C
Life Expectancy:	100,000 hours at Un @ Hot-Spot temperature T=+85°C
Leads	Tinned copper wires or Copper-clad Steel Wire
Packaging:	Packed in cardboard boxes with protection for the leads
RoHS Compliant	Compliant with the restricted substance requirements of Directive 2002/95/EC

High Voltage Metallized Polypropylene Film Capacitor

MPPS

高压金属化聚丙烯膜电容器

PART NUMBER REFERENCE AND DIMENSIONS

Vdc	Hi-pulse	Cap	Dimensions			Lead Space	Peak	dv/dt	Lead	Part Number
	Voltage	Value	W	H	T	P	Current		Wire	
	Vo-p	uF	mm	mm	mm	mm	A		V/us	
1200	1250	0.001	19	10.5	5	15	28.0	28000	0.8	MPPS102J3ML15LL
1200	1250	0.0012	19	10.5	5.5	15	33.6	28000	0.8	MPPS122J3ML15LL
1200	1250	0.0015	19	10.5	6	15	42.0	28000	0.8	MPPS152J3ML15LL
1200	1250	0.0018	19	11	6	15	50.4	28000	0.8	MPPS182J3ML15LL
1200	1250	0.0022	19	11	6	15	61.6	28000	0.8	MPPS222J3ML15LL
1200	1250	0.0027	19	12	6	15	75.6	28000	0.8	MPPS272J3ML15LL
1200	1250	0.0033	19	12	6	15	92.4	28000	0.8	MPPS332J3ML15LL
1200	1250	0.0036	19	12	6	15	100.8	28000	0.8	MPPS362J3ML15LL
1200	1250	0.0039	19	12.5	6.5	15	109.2	28000	0.8	MPPS392J3ML15LL
1200	1250	0.0047	19	13	7	15	131.6	28000	0.8	MPPS472J3ML15LL
1200	1250	0.0056	19	13	7	15	156.8	28000	0.8	MPPS562J3ML15LL
1200	1250	0.0062	19	13.5	7.5	15	173.6	28000	0.8	MPPS622J3ML15LL
1200	1250	0.0068	19	13.5	7.5	15	190.4	28000	0.8	MPPS682J3ML15LL
1200	1250	0.0075	19	13.5	7.5	15	210.0	28000	0.8	MPPS752J3ML15LL
1200	1250	0.0082	19	14	8	15	229.6	28000	0.8	MPPS822J3ML15LL
1200	1250	0.0091	19	14	8	15	254.8	28000	0.8	MPPS912J3ML15LL
1200	1250	0.01	19	14	8	15	280.0	28000	0.8	MPPS103J3ML15LL
1200	1250	0.012	19	14.5	8.5	15	336.0	28000	0.8	MPPS123J3ML15LL
1200	1250	0.015	19	14.5	8.5	15	420.0	28000	0.8	MPPS153J3ML15LL
1200	1250	0.018	24	13	6.5	20	504.0	28000	0.8	MPPS183J3ML20LL
1200	1250	0.02	24	13	7	20	220.0	11000	0.8	MPPS203J3ML20LL
1200	1250	0.022	24	13.5	7.5	20	242.0	11000	0.8	MPPS223J3ML20LL
1200	1250	0.027	24	14	8	20	297.0	11000	0.8	MPPS273J3ML20LL
1200	1250	0.03	24	14.5	8.5	20	330.0	11000	0.8	MPPS303J3ML20LL
1200	1250	0.033	24	15	8.5	20	363.0	11000	0.8	MPPS333J3ML20LL
1200	1250	0.036	24	15.5	9	20	396.0	11000	0.8	MPPS363J3ML20LL
1200	1250	0.039	24	15.5	9.5	20	429.0	11000	0.8	MPPS393J3ML20LL
1200	1250	0.043	24	16	10	20	473.0	11000	0.8	MPPS433J3ML20LL
1200	1250	0.047	24	16.5	10	20	517.0	11000	0.8	MPPS473J3ML20LL
1600	1500	0.001	19	10.5	5.5	15	30.0	30000	0.8	MPPS102J3CL15LL
1600	1500	0.0012	19	10.5	5.5	15	36.0	30000	0.8	MPPS122J3CL15LL
1600	1500	0.0015	19	11.5	6	15	45.0	30000	0.8	MPPS152J3CL15LL
1600	1500	0.0018	19	11.5	6	15	54.0	30000	0.8	MPPS182J3CL15LL
1600	1500	0.0022	19	12	6.5	15	66.0	30000	0.8	MPPS222J3CL15LL
1600	1500	0.0027	19	12.5	6.5	15	81.0	30000	0.8	MPPS272J3CL15LL
1600	1500	0.0033	19	13	7	15	99.0	30000	0.8	MPPS332J3CL15LL
1600	1500	0.0036	19	13	7	15	108.0	30000	0.8	MPPS362J3CL15LL
1600	1500	0.0039	19	13.5	7.5	15	117.0	30000	0.8	MPPS392J3CL15LL
1600	1500	0.0047	24	12	6	20	70.5	15000	0.8	MPPS472J3CL20LL
1600	1500	0.0056	24	12.5	6.5	20	84.0	15000	0.8	MPPS562J3CL20LL
1600	1500	0.0062	24	13	7	20	93.0	15000	0.8	MPPS622J3CL20LL
1600	1500	0.0068	24	13	7	20	102.0	15000	0.8	MPPS682J3CL20LL

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

High Voltage Metallized Polypropylene Film Capacitor

MPPS

高压金属化聚丙烯膜电容器

PART NUMBER REFERENCE AND DIMENSIONS

Vdc	Hi-pulse	Cap	Dimensions			Lead Space	Peak	dv/dt	Lead	Part Number
	Voltage	Value	W	H	T	P	Current		Wire	
	Vo-p	uF	mm	mm	mm	mm	A		V/us	
1600	1500	0.0075	24	13.5	7.5	20	112.5	15000	0.8	MPPS752J3CL20LL
1600	1500	0.0082	24	13.5	7.5	20	123.0	15000	0.8	MPPS822J3CL20LL
1600	1500	0.0091	24	14	8	20	136.5	15000	0.8	MPPS912J3CL20LL
1600	1500	0.01	24	14	8	20	150.0	15000	0.8	MPPS103J3CL20LL
1600	1500	0.012	24	14.5	8.5	20	180.0	15000	0.8	MPPS123J3CL20LL
1600	1500	0.015	24	14.5	8.5	20	225.0	15000	0.8	MPPS153J3CL20LL
1600	1500	0.018	24	15	9	20	270.0	15000	0.8	MPPS183J3CL20LL
1600	1500	0.02	24	15	9	20	300.0	15000	0.8	MPPS203J3CL20LL
1600	1500	0.022	29	14	8	25	220.0	10000	0.8	MPPS223J3CL25LL
1600	1500	0.027	29	15	9	25	270.0	10000	0.8	MPPS273J3CL25LL
1600	1500	0.03	29	15.5	9.5	25	300.0	10000	0.8	MPPS303J3CL25LL
1600	1500	0.033	29	16	10	25	330.0	10000	0.8	MPPS333J3CL25LL
1600	1500	0.036	29	17	10	25	360.0	10000	0.8	MPPS363J3CL25LL
1600	1500	0.039	29	18	11	25	390.0	10000	0.8	MPPS393J3CL25LL
1600	1500	0.043	29	18.5	11.5	25	430.0	10000	0.8	MPPS433J3CL25LL
1600	1500	0.047	29	19	12	25	470.0	10000	0.8	MPPS473J3CL25LL
2000	1800	0.001	19	11	6	15	40.0	40000	0.8	MPPS102J3DL15LL
2000	1800	0.0012	19	11	6	15	48.0	40000	0.8	MPPS122J3DL15LL
2000	1800	0.0015	19	12	6.5	15	60.0	40000	0.8	MPPS152J3DL15LL
2000	1800	0.0018	19	12	6.5	15	72.0	40000	0.8	MPPS182J3DL15LL
2000	1800	0.0022	19	13	7	15	88.0	40000	0.8	MPPS222J3DL15LL
2000	1800	0.0027	19	13.5	7.5	15	108.0	40000	0.8	MPPS272J3DL15LL
2000	1800	0.0033	19	14.5	8.5	15	132.0	40000	0.8	MPPS332J3DL15LL
2000	1800	0.0036	19	15	9	15	144.0	40000	0.8	MPPS362J3DL15LL
2000	1800	0.0039	19	15.5	9.5	15	156.0	40000	0.8	MPPS392J3DL15LL
2000	1800	0.0047	24	13	7	20	84.6	18000	0.8	MPPS472J3DL20LL
2000	1800	0.0056	24	13.5	7.5	20	100.8	18000	0.8	MPPS562J3DL20LL
2000	1800	0.0062	24	13.5	7.5	20	111.6	18000	0.8	MPPS622J3DL20LL
2000	1800	0.0068	24	14.5	8.5	20	122.4	18000	0.8	MPPS682J3DL20LL
2000	1800	0.0075	24	14.5	8.5	20	135.0	18000	0.8	MPPS752J3DL20LL
2000	1800	0.0082	24	15	9	20	147.6	18000	0.8	MPPS822J3DL20LL
2000	1800	0.0091	24	15.5	9.5	20	163.8	18000	0.8	MPPS912J3DL20LL
2000	1800	0.01	24	16	10	20	180.0	18000	0.8	MPPS103J3DL20LL
2000	1800	0.012	24	17	11	20	216.0	18000	0.8	MPPS123J3DL20LL
2000	1800	0.015	24	18	12	20	270.0	18000	0.8	MPPS153J3DL20LL

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

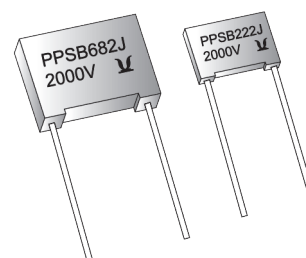
* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

High Voltage Metallized Polypropylene Film Capacitor

PPSB

高压金属化聚丙烯膜盒装电容器

PPSB series is constructed with metallized polypropylene film and aluminum foil, encapsulated in plastic case and sealed with epoxy resin material meeting UL-94V-0 requirements. They are ideal for high frequency and high pulse-rise-time circuits, and find wide applications in high voltage power supplies, snubbers and electronic lighting ballasts



APPLICATION

Deflection circuits in TV.

Switching spikes suppression in SMPS.

Snubber and silicon-controlled rectifier commutation circuits.

Switching circuits in electronic ballasts.

FEATURES

High ripple current, high dv/dt.

Self-healing properties.

High contact reliability and low losses.

Suitable for high frequency applications.

SPECIFICATIONS

Reference Standard:	IEC60384-17
Climatic Category:	40/105/56 IEC60068-1
Operating Temperature Range:	-40°C to +105°C
Rated Voltage:	1000Vdc ~ 2000Vdc
Capacitance Range:	0.00015uF ~0.068uF
Capacitance Tolerance:	±3% or ±5% or ±10% at +25°C
Dissipation Factor (DF):	≤ 0.001 (0.1%) at 1kHz at +25°C
Test Voltage Between Terminals:	1.5 x rated voltage for 10s (terminal to terminal)
Test Voltage Terminal to Case:	2.0KVac 50 Hz for 10 sec at +25°C
Insulation Resistance:	IR x C ≥ 50,000 Seconds at 100VDC 1 minute at +25°C
Life Expectancy:	100,000 hours at Un @ Hot-Spot temperature T=+85°C
Leads	Tinned copper wires or Copper-clad Steel Wire
Packaging:	Packed in cardboard boxes with protection for the leads
RoHS Compliant	Compliant with the restricted substance requirements of Directive 2002/95/EC

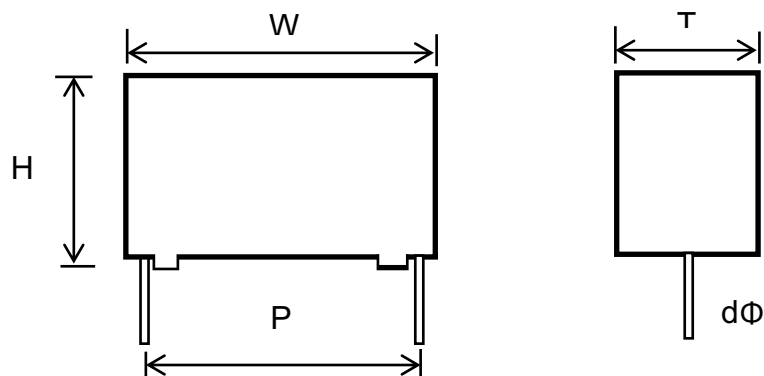
High Voltage Metallized Polypropylene Film Capacitor

PPSB

高压金属化聚丙烯膜盒装电容器

PLASTIC CASE DIMENSIONS

Unit: mm



Unit: mm

Case Code	W	H	T	P	d
	± 1.0	± 0.5	± 0.5	± 0.5	± 0.1
D10	18	11	5	15	0.6
D20	18	12	6	15	0.6
D30	18	13.5	7.5	15	0.8
D40	18	14.5	8.5	15	0.8
D50	18	16	10	15	0.8
D60	18	19	11	15	0.8
E10	26	15	6	22.5	0.8
E20	26	16.5	7	22.5	0.8
E30	26	17	8.5	22.5	0.8
E40	26	19	10	22.5	0.8
E50	26	20	11	22.5	0.8
E60	26	22	13	22.5	0.8
F00	32	18	9	27.5	0.8
F10	32	20	11	27.5	0.8
F20	32	22	13	27.5	0.8
F30	32	24.5	13	27.5	0.8
F50	32	28	14	27.5	0.8
F80	32	33	18	27.5	0.8

High Voltage Metallized Polypropylene Film Capacitor

PPSB

高压金属化聚丙烯膜盒装电容器

PART NUMBER REFERENCE AND DIMENSIONS

Vdc	Vac	Cap	Dimensions			Lead Space	Peak	dv/dt	Lead	Part Number
		Value	W	H	T	P	Current		Wire	
		uF	mm	mm	mm	mm	A		V/us	
1000	400	0.0033	18	11	5	15	92.4	28000	0.6	PPSB332J3AL15LLAD10
1000	400	0.0039	18	11	5	15	109.2	28000	0.6	PPSB392J3AL15LLAD10
1000	400	0.0047	18	11	5	15	131.6	28000	0.6	PPSB472J3AL15LLAD10
1000	400	0.0056	18	11	5	15	156.8	28000	0.6	PPSB562J3AL15LLAD10
1000	400	0.0068	18	11	5	15	190.4	28000	0.6	PPSB682J3AL15LLAD10
1000	400	0.0082	18	11	5	15	229.6	28000	0.6	PPSB822J3AL15LLAD10
1000	400	0.01	18	12	6	15	280.0	28000	0.6	PPSB103J3AL15LLAD20
1000	400	0.012	18	12	6	15	336.0	28000	0.6	PPSB123J3AL15LLAD20
1000	400	0.015	18	13.5	7.5	15	420.0	28000	0.8	PPSB153J3AL15LLAD30
1000	400	0.018	18	14.5	8.5	15	504.0	28000	0.8	PPSB183J3AL15LLAD40
1000	400	0.022	18	14.5	8.5	15	616.0	28000	0.8	PPSB223J3AL15LLAD40
1000	400	0.027	18	16	10	15	756.0	28000	0.8	PPSB273J3AL15LLAD50
1000	400	0.033	26	16.5	7	22.5	363.0	11000	0.8	PPSB333J3AL22LLAE20
1000	400	0.039	26	17	8.5	22.5	429.0	11000	0.8	PPSB393J3AL22LLAE30
1000	400	0.047	26	19	10	22.5	517.0	11000	0.8	PPSB473J3AL22LLAE40
1000	400	0.056	26	19	10	22.5	616.0	11000	0.8	PPSB563J3AL22LLAE40
1000	400	0.068	26	20	11	22.5	748.0	11000	0.8	PPSB683J3AL27LLAE50
1250	450	0.0022	18	11	5	15	66.0	30000	0.6	PPSB222J3BL15LLAD10
1250	450	0.0027	18	11	5	15	81.0	30000	0.6	PPSB272J3BL15LLAD10
1250	450	0.0033	18	12	6	15	99.0	30000	0.6	PPSB332J3BL15LLAD20
1250	450	0.0039	18	12	6	15	117.0	30000	0.6	PPSB392J3BL15LLAD20
1250	450	0.0047	18	13.5	7.5	15	141.0	30000	0.8	PPSB472J3BL15LLAD30
1250	450	0.0056	18	13.5	7.5	15	168.0	30000	0.8	PPSB562J3BL15LLAD30
1250	450	0.0068	18	14.5	8.5	15	204.0	30000	0.8	PPSB682J3BL15LLAD40
1250	450	0.0082	18	16	10	15	246.0	30000	0.8	PPSB822J3BL15LLAD50
1250	450	0.01	26	16.5	7	22.5	110.0	11000	0.8	PPSB103J3BL22LLAE20
1250	450	0.012	26	16.5	7	22.5	132.0	11000	0.8	PPSB123J3BL22LLAE20
1250	450	0.015	26	16.5	7	22.5	165.0	11000	0.8	PPSB153J3BL22LLAE20
1250	450	0.018	26	16.5	7	22.5	198.0	11000	0.8	PPSB183J3BL22LLAE20
1250	450	0.022	26	17	8.5	22.5	242.0	11000	0.8	PPSB223J3BL22LLAE30
1250	450	0.027	26	19	10	22.5	297.0	11000	0.8	PPSB273J3BL22LLAE40
1250	450	0.033	26	19	10	22.5	363.0	11000	0.8	PPSB333J3BL22LLAE40
1250	450	0.039	32	18	9	27.5	429.0	11000	0.8	PPSB393J3BL27LLAF00
1250	450	0.047	32	20	11	27.5	517.0	11000	0.8	PPSB473J3BL27LLAF10
1250	450	0.056	32	20	11	27.5	616.0	11000	0.8	PPSB563J3BL27LLAF10
1250	450	0.068	32	22	13	27.5	748.0	11000	0.8	PPSB683J3BL27LLAF20
1250	450	0.082	32	24.5	13	27.5	902.0	11000	0.8	PPSB823J3BL27LLAF30
1600	500	0.001	18	11	5	15	34.0	34000	0.6	PPSB102J3CL15LLAD10
1600	500	0.0012	18	11	5	15	40.8	34000	0.6	PPSB122J3CL15LLAD10
1600	500	0.0015	18	11	5	15	51.0	34000	0.6	PPSB152J3CL15LLAD10
1600	500	0.0018	18	11	5	15	61.2	34000	0.6	PPSB182J3CL15LLAD10
1600	500	0.0022	18	12	6	15	74.8	34000	0.6	PPSB222J3CL15LLAD20

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

High Voltage Metallized Polypropylene Film Capacitor

PPSB

高压金属化聚丙烯膜盒装电容器

PART NUMBER REFERENCE AND DIMENSIONS

Vdc	Vac	Cap	Dimensions			Lead Space	Peak	dv/dt	Lead	Part Number
		Value	W	H	T	P	Current		Wire	
		uF	mm	mm	mm	mm	A		V/us	
1600	500	0.0027	18	12	6	15	91.8	34000	0.6	PPSB272J3CL15LLAD20
1600	500	0.0033	18	13.5	7.5	15	112.2	34000	0.8	PPSB332J3CL15LLAD30
1600	500	0.0039	18	13.5	7.5	15	132.6	34000	0.8	PPSB392J3CL15LLAD30
1600	500	0.0047	18	14.5	8.5	15	159.8	34000	0.8	PPSB472J3CL15LLAD40
1600	500	0.0056	18	16	10	15	190.4	34000	0.8	PPSB562J3CL15LLAD50
1600	500	0.0068	18	16	10	15	231.2	34000	0.8	PPSB682J3CL15LLAD50
1600	500	0.0082	26	16.5	7	22.5	90.2	11000	0.8	PPSB822J3CL22LLAE20
1600	500	0.01	26	16.5	7	22.5	110.0	11000	0.8	PPSB103J3CL22LLAE20
1600	500	0.012	26	16.5	7	22.5	132.0	11000	0.8	PPSB123J3CL22LLAE20
1600	500	0.015	26	17	8.5	22.5	165.0	11000	0.8	PPSB153J3CL22LLAE30
1600	500	0.018	26	17	8.5	22.5	198.0	11000	0.8	PPSB183J3CL22LLAE30
1600	500	0.022	26	19	10	22.5	242.0	11000	0.8	PPSB223J3CL22LLAE40
1600	500	0.027	32	18	9	27.5	297.0	11000	0.8	PPSB273J3CL27LLAF00
1600	500	0.033	32	20	11	27.5	363.0	11000	0.8	PPSB333J3CL27LLAF10
1600	500	0.039	32	20	11	27.5	429.0	11000	0.8	PPSB393J3CL27LLAF10
1600	500	0.047	32	22	13	27.5	517.0	11000	0.8	PPSB473J3CL27LLAF20
1600	500	0.056	32	22	13	27.5	616.0	11000	0.8	PPSB563J3CL27LLAF20
2000	550	0.00015	18	11	5	15	8.1	54000	0.6	PPSB151J3DL15LLAD10
2000	550	0.00022	18	11	5	15	11.9	54000	0.6	PPSB221J3DL15LLAD10
2000	550	0.00033	18	11	5	15	17.8	54000	0.6	PPSB331J3DL15LLAD10
2000	550	0.00047	18	11	5	15	25.4	54000	0.6	PPSB471J3DL15LLAD10
2000	550	0.00068	18	11	5	15	36.7	54000	0.6	PPSB681J3DL15LLAD10
2000	550	0.001	18	12	6	15	54.0	54000	0.6	PPSB102J3DL15LLAD20
2000	550	0.0012	18	12	6	15	64.8	54000	0.6	PPSB122J3DL15LLAD20
2000	550	0.0015	18	13.5	7.5	15	81.0	54000	0.8	PPSB152J3DL15LLAD30
2000	550	0.0018	18	13.5	7.5	15	61.2	34000	0.8	PPSB182J3DL15LLAD30
2000	550	0.0022	18	14.5	8.5	15	74.8	34000	0.8	PPSB222J3DL15LLAD40
2000	550	0.0027	18	16	10	15	91.8	34000	0.8	PPSB272J3DL15LLAD50
2000	550	0.0033	26	16.5	7	22.5	36.3	11000	0.8	PPSB332J3DL22LLAE20
2000	550	0.0039	26	16.5	7	22.5	42.9	11000	0.8	PPSB392J3DL22LLAE20
2000	550	0.0047	26	16.5	7	22.5	51.7	11000	0.8	PPSB472J3DL22LLAE20
2000	550	0.0056	26	16.5	7	22.5	61.6	11000	0.8	PPSB562J3DL22LLAE20
2000	550	0.0068	26	17	8.5	22.5	74.8	11000	0.8	PPSB682J3DL22LLAE30
2000	550	0.0082	26	17	8.5	22.5	90.2	11000	0.8	PPSB822J3DL22LLAE30
2000	550	0.01	26	19	10	22.5	110.0	11000	0.8	PPSB103J3DL22LLAE40
2000	550	0.012	26	20	11	22.5	132.0	11000	0.8	PPSB123J3DL22LLAE50
2000	550	0.015	32	20	11	27.5	165.0	11000	0.8	PPSB153J3DL27LLAF10
2000	550	0.018	32	22	13	27.5	198.0	11000	0.8	PPSB183J3DL27LLAF20
2000	550	0.022	32	22	13	27.5	242.0	11000	0.8	PPSB223J3DL27LLAF20

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

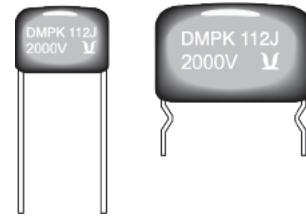
* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

Series Metallized Polypropylene Film Capacitor

DMPK

串联聚丙烯膜电容器

DMPK series is constructed with series metallized polypropylene film sealed with epoxy resin material meeting UL-94V-0 requirements. They are ideal for pulse application with high voltage and high current, and widely use in electronic ballasts and compact lamps.



APPLICATION

Electronic ballasts and compact lamps.

Switching mode power supply (SMPS).

Pulse application with high voltage.

Pulse application with high current.

FEATURES

High ripple current, high dv/dt.

Self-healing properties.

High contact reliability and low losses.

Suitable for high frequency applications.

SPECIFICATIONS

Reference Standard:	IEC60384-17
Climatic Category:	40/105/56 IEC60068-1
Operating Temperature Range:	-40°C to +105°C
Rated Voltage:	400Vac ~ 900Vac
Capacitance Range:	0.001uF ~0.1uF
Capacitance Tolerance:	±3% or ±5% or ±10% at +25°C
Dissipation Factor (DF):	≤ 0.001 (0.1%) at 1kHz at +25°C
Test Voltage Between Terminals:	1.5 x rated voltage for 10s (terminal to terminal)
Test Voltage Terminal to Case:	2.0KVac 50 Hz for 10 sec at +25°C
Insulation Resistance:	IR x C≥50,000 Seconds at 100VDC 1 minute at +25°C
Life Expectancy:	100,000 hours at Un @ Hot-Spot temperature T=+85°C
Leads	Tinned copper wires or Copper-clad Steel Wire
Packaging:	Packed in cardboard boxes with protection for the leads
RoHS Compliant	Compliant with the restricted substance requirements of Directive 2002/95/EC

Series Metallized Polypropylene Film Capacitor

DMPK

串联聚丙烯膜电容器

PART NUMBER REFERENCE AND DIMENSIONS

Vac	Vdc	Cap	Dimensions			Lead Space	Peak	dv/dt	Lead	Part Number
		Value	W	H	T	P	Current		Wire	
		uF	mm	mm	mm	mm	A		V/us	
400	1000	0.001	13	10	5	10	3.5	3500	0.6	DMPK102J40L10LL
400	1000	0.0012	13	10	5	10	4.2	3500	0.6	DMPK112J40L10LL
400	1000	0.0015	13	10	5	10	5.3	3500	0.6	DMPK152J40L10LL
400	1000	0.0018	13	10	5	10	6.3	3500	0.6	DMPK182J40L10LL
400	1000	0.0022	13	10.5	5.5	10	7.7	3500	0.6	DMPK222J40L10LL
400	1000	0.0027	13	10.5	5.5	10	9.5	3500	0.6	DMPK272J40L10LL
400	1000	0.0033	13	11	6	10	11.6	3500	0.6	DMPK332J40L10LL
400	1000	0.0039	13	12	6	10	13.7	3500	0.6	DMPK392J40L10LL
400	1000	0.0047	13	12.5	7	10	16.5	3500	0.6	DMPK472J40L10LL
400	1000	0.0056	13	13	7.5	10	19.6	3500	0.6	DMPK562J40L10LL
400	1000	0.0068	18	11	5	15	23.8	3500	0.8	DMPK682J40L15LL
400	1000	0.0082	18	11.5	5.5	15	28.7	3500	0.8	DMPK822J40L15LL
400	1000	0.01	18	12	6	15	35.0	3500	0.8	DMPK103J40L15LL
400	1000	0.012	18	12.5	6.5	15	42.0	3500	0.8	DMPK123J40L15LL
400	1000	0.015	18	13	7.5	15	52.5	3500	0.8	DMPK153J40L15LL
400	1000	0.018	18	14	8	15	63.0	3500	0.8	DMPK183J40L15LL
400	1000	0.022	18	15	9	15	77.0	3500	0.8	DMPK223J40L15LL
400	1000	0.027	18	16	10	15	94.5	3500	0.8	DMPK273J40L15LL
400	1000	0.033	26	16	7	22.5	75.9	2300	0.8	DMPK333J40L22LL
400	1000	0.039	26	16.5	7.5	22.5	89.7	2300	0.8	DMPK393J40L22LL
400	1000	0.047	26	17	8.5	22.5	108.1	2300	0.8	DMPK473J40L22LL
400	1000	0.056	26	18	9	22.5	128.8	2300	0.8	DMPK563J40L22LL
400	1000	0.068	26	19	10.5	22.5	156.4	2300	0.8	DMPK683J40L22LL
400	1000	0.082	26	19	11	22.5	188.6	2300	0.8	DMPK823J40L22LL
400	1000	0.1	26	21	12	22.5	230.0	2300	0.8	DMPK104J40L22LL
500	1200	0.001	18	10	5	15	4.8	4800	0.8	DMPK102J50L15LL
500	1200	0.0012	18	10	5	15	5.8	4800	0.8	DMPK122J50L15LL
500	1200	0.0015	18	10.5	5	15	7.2	4800	0.8	DMPK152J50L15LL
500	1200	0.0018	18	10.5	5	15	8.6	4800	0.8	DMPK182J50L15LL
500	1200	0.0022	18	11	5.5	15	10.6	4800	0.8	DMPK222J50L15LL
500	1200	0.0027	18	11	5.5	15	13.0	4800	0.8	DMPK272J50L15LL
500	1200	0.0033	18	12	6	15	15.8	4800	0.8	DMPK332J50L15LL
500	1200	0.0039	18	12	6	15	18.7	4800	0.8	DMPK392J50L15LL
500	1200	0.0047	18	12	6.5	15	22.6	4800	0.8	DMPK472J50L15LL
500	1200	0.0056	18	12.5	7	15	26.9	4800	0.8	DMPK562J50L15LL
500	1200	0.0068	18	13	7	15	32.6	4800	0.8	DMPK682J50L15LL
500	1200	0.0082	18	13	7	15	39.4	4800	0.8	DMPK822J50L15LL
500	1200	0.01	18	13.5	7.5	15	48.0	4800	0.8	DMPK153J50L15LL
500	1200	0.012	18	14.5	8.5	15	57.6	4800	0.8	DMPK123J50L15LL
500	1200	0.015	18	15	9.5	15	72.0	4800	0.8	DMPK153J50L15LL

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

Series Metallized Polypropylene Film Capacitor

DMPK

串联聚丙烯膜电容器

PART NUMBER REFERENCE AND DIMENSIONS

Vac	Vdc	Cap	Dimensions			Lead Space	Peak	dv/dt	Lead	Part Number
		Value	W	H	T	P	Current		Wire	
		uF	mm	mm	mm	mm	A		V/us	
500	1200	0.018	26	15	7	22.5	50.4	2800	0.8	DMPK183J50L22LL
500	1200	0.022	26	16	7.5	22.5	61.6	2800	0.8	DMPK223J50L22LL
500	1200	0.027	26	17	8	22.5	75.6	2800	0.8	DMPK273J50L22LL
700	1600	0.001	18	10	5	15	9.0	9000	0.8	DMPK102J70L15LL
700	1600	0.0012	18	10.5	5	15	10.8	9000	0.8	DMPK122J70L15LL
700	1600	0.0015	18	10.5	5	15	13.5	9000	0.8	DMPK152J70L15LL
700	1600	0.0018	18	11	5.5	15	16.2	9000	0.8	DMPK182J70L15LL
700	1600	0.0022	18	11.5	5.5	15	19.8	9000	0.8	DMPK222J70L15LL
700	1600	0.0027	18	12	6	15	24.3	9000	0.8	DMPK272J70L15LL
700	1600	0.0033	18	13	6.5	15	29.7	9000	0.8	DMPK332J70L15LL
700	1600	0.0039	18	13.5	7.5	15	35.1	9000	0.8	DMPK392J70L15LL
700	1600	0.0047	18	14	8	15	42.3	9000	0.8	DMPK472J70L15LL
700	1600	0.0056	18	15	9	15	50.4	9000	0.8	DMPK562J70L15LL
700	1600	0.0068	18	16	10	15	61.2	9000	0.8	DMPK682J70L15LL
700	1600	0.0082	18	17.5	11.5	15	73.8	9000	0.8	DMPK822J70L15LL
700	1600	0.01	26	16	7.5	22.5	48.0	4800	0.8	DMPK223J70L22LL
700	1600	0.012	26	16.5	8	22.5	57.6	4800	0.8	DMPK123J70L22LL
700	1600	0.015	26	17.5	8.5	22.5	72.0	4800	0.8	DMPK223J70L22LL
700	1600	0.018	26	18.5	9.5	22.5	86.4	4800	0.8	DMPK183J70L22LL
700	1600	0.022	26	19	10	22.5	105.6	4800	0.8	DMPK223J70L22LL
700	1600	0.027	26	20	11	22.5	129.6	4800	0.8	DMPK273J70L22LL
900	2500	0.001	26	12	6	22.5	8.0	8000	0.8	DMPK102J90L22LL
900	2500	0.0012	26	12.5	6.5	22.5	9.6	8000	0.8	DMPK122J90L22LL
900	2500	0.0015	26	13	7	22.5	12.0	8000	0.8	DMPK152J90L22LL
900	2500	0.0018	26	13.5	7.5	22.5	14.4	8000	0.8	DMPK182J90L22LL
900	2500	0.0022	26	13.5	7.5	22.5	17.6	8000	0.8	DMPK222J90L22LL
900	2500	0.0027	26	14	8	22.5	21.6	8000	0.8	DMPK272J90L22LL
900	2500	0.0033	26	14	8	22.5	26.4	8000	0.8	DMPK332J90L22LL
900	2500	0.0039	26	14.5	8.5	22.5	31.2	8000	0.8	DMPK392J90L22LL
900	2500	0.0047	26	14.5	8.5	22.5	37.6	8000	0.8	DMPK472J90L22LL
900	2500	0.0056	26	15	8.5	22.5	44.8	8000	0.8	DMPK562J90L22LL
900	2500	0.0068	26	15	9	22.5	54.4	8000	0.8	DMPK682J90L22LL
900	2500	0.0082	26	16	9.5	22.5	65.6	8000	0.8	DMPK822J90L22LL
900	2500	0.01	26	17	9.5	22.5	80.0	8000	0.8	DMPK103J90L22LL
900	2500	0.012	26	18	10	22.5	96.0	8000	0.8	DMPK123J90L22LL
900	2500	0.015	26	19	10	22.5	120.0	8000	0.8	DMPK153J90L22LL
900	2500	0.018	26	19.5	10.5	22.5	144.0	8000	0.8	DMPK183J90L22LL
900	2500	0.022	26	20	12	22.5	176.0	8000	0.8	DMPK223J90L22LL
900	2500	0.027	26	22	13	22.5	216.0	8000	0.8	DMPK273J90L22LL

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

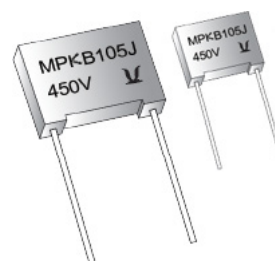
* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

Series Metallized Polypropylene Film Capacitor

串联聚丙烯膜盒装电容器

MPKB

MPKB series is constructed with series metallized polypropylene film, encapsulated in plastic case and sealed with epoxy resin material meeting UL-94V-0 requirements. They are ideal for pulse application with high voltage and high current, and widely use in electronic ballasts and compact lamps.



APPLICATION

Electronic ballasts and compact lamps.

Switching mode power supply (SMPS).

Pulse application with high voltage.

Pulse application with high current.

FEATURES

High ripple current, high dv/dt.

Self-healing properties.

High contact reliability and low losses.

Suitable for high frequency applications.

SPECIFICATIONS

Reference Standard:	IEC60384-17
Climatic Category:	40/105/56 IEC60068-1
Operating Temperature Range:	-40°C to +105°C
Rated Voltage:	400Vac ~ 900Vac
Capacitance Range:	0.001uF ~3.3uF
Capacitance Tolerance:	±5% or ±10% at +25°C
Dissipation Factor (DF):	≤ 0.001 (0.01%) at 1kHz at +25°C
Test Voltage Between Terminals:	1.5 x rated voltage for 10s (terminal to terminal)
Test Voltage Terminal to Case:	2.0KVac 50 Hz for 10 sec at +25°C
Insulation Resistance:	>30,000 MΩ (C≤0.33uF) at 100VDC 1 minute at +25°C >10,000 MΩ (C>0.33uF) at 100VDC 1 minute at +25°C
Leads	Tinned copper wires or Copper-clad Steel Wire
Life Expectancy:	100,000 hours at Un @ Hot-Spot temperature T=+85°C
Leads	Tinned copper wires or Copper-clad Steel Wire
Packaging:	Packed in cardboard boxes with protection for the leads
RoHS Compliant	Compliant with the restricted substance requirements of Directive 2002/95/EC

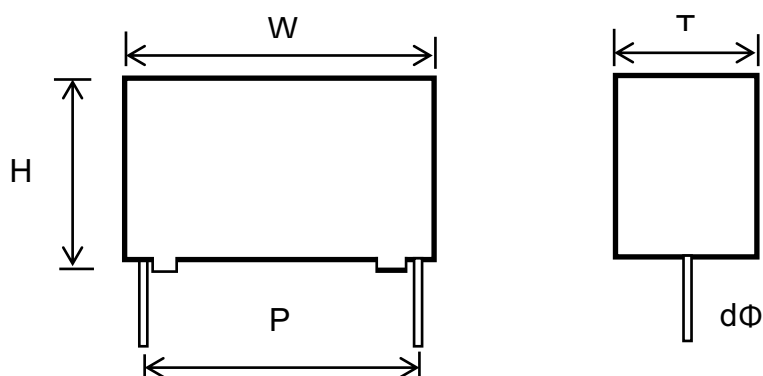
Series Metallized Polypropylene Film Capacitor

串联聚丙烯膜盒装电容器

MPKB

DIMENSIONS - PLASTIC CASE

Unit: mm



Unit: mm

Case Code	W	H	T	P	d
	±1.0	±0.5	±0.5	±0.5	±0.1
C20	13	11	5	10	0.6
C30	13	12	6	10	0.6
D10	18	11	5	15	0.6
D20	18	12	6	15	0.6
D30	18	13.5	7.5	15	0.8
D40	18	14.5	8.5	15	0.8
D50	18	16	10	15	0.8
D60	18	19	11	15	0.8
E30	26	17	8.5	22.5	0.8
E40	26	19	10	22.5	0.8
E50	26	20	11	22.5	0.8
E70	26	23	13	22.5	0.8
R10	32	20	11	27.5	0.8
R20	32	22	13	27.5	0.8
R30	32	24.5	13	27.5	0.8
R50	32	28	14	27.5	0.8
R80	32	33	18	27.5	0.8
R94	32	37	22	27.5	0.8
T50	42.5	32	19	37.5	1.0
T33	42.5	40	20	37.5	1.0
T61	42.5	44	24	37.5	1.0
T10	42.5	45	30	37.5	1.0

Series Metallized Polypropylene Film Capacitor

MPKB

串联聚丙烯膜盒装电容器

PART NUMBER REFERENCE AND DIMENSIONS

Vac	Vdc	Cap	Dimensions			Lead Space	Peak	dv/dt V/us	Lead	Part Number
		Value	W	H	T	P	Current		Wire	
		uF	mm	mm	mm	mm	A		mm	
400	1200	0.01	18	11	5	15	20.0	2000	0.6	MPKB103K40L15LLAD10
400	1200	0.012	18	12	6	15	24.0	2000	0.6	MPKB123K40L15LLAD20
400	1200	0.015	18	12	6	15	30.0	2000	0.6	MPKB153K40L15LLAD20
400	1200	0.018	18	13.5	7.5	15	36.0	2000	0.8	MPKB183K40L15LLAD30
400	1200	0.022	18	13.5	7.5	15	44.0	2000	0.8	MPKB223K40L15LLAD30
400	1200	0.027	18	14.5	8.5	15	54.0	2000	0.8	MPKB273K40L15LLAD40
400	1200	0.033	18	14.5	8.5	15	66.0	2000	0.8	MPKB333K40L15LLAD40
400	1200	0.039	18	16	10	15	78.0	2000	0.8	MPKB393K40L15LLAD50
400	1200	0.047	18	16	10	15	94.0	2000	0.8	MPKB473K40L15LLAD50
400	1200	0.056	18	19	11	15	112.0	2000	0.8	MPKB563K40L15LLAD60
400	1200	0.068	26	17	8.5	22.5	68.0	1000	0.8	MPKB683K40L22LLAE30
400	1200	0.082	26	19	10	22.5	82.0	1000	0.8	MPKB823K40L22LLAE40
400	1200	0.1	26	19	10	22.5	100.0	1000	0.8	MPKB104K40L22LLAE40
400	1200	0.12	26	20	11	22.5	120.0	1000	0.8	MPKB124K40L22LLAE50
400	1200	0.15	26	23	13	22.5	150.0	1000	0.8	MPKB154K40L22LLAE60
400	1200	0.18	32	18	9	27.5	72.0	400	0.8	MPKB184K40L27LLAR00
400	1200	0.22	32	20	11	27.5	88.0	400	0.8	MPKB224K40L27LLAR10
400	1200	0.27	32	20	11	27.5	108.0	400	0.8	MPKB274K40L27LLAR10
400	1200	0.33	32	22	13	27.5	132.0	400	0.8	MPKB334K40L27LLAR20
400	1200	0.39	32	22	13	27.5	156.0	400	0.8	MPKB394K40L27LLAR20
400	1200	0.47	32	28	14	27.5	188.0	400	0.8	MPKB474K40L27LLAR50
400	1200	0.56	32	28	14	27.5	224.0	400	0.8	MPKB564K40L27LLAR50
400	1200	0.68	32	28	14	27.5	272.0	400	0.8	MPKB684K40L27LLAR50
400	1200	0.82	32	33	18	27.5	328.0	400	0.8	MPKB824K40L27LLAR80
400	1200	1	32	33	18	27.5	400.0	400	0.8	MPKB105K40L27LLAR80
400	1200	1.2	42.5	32	19	37.5	240.0	200	1	MPKB125K40L37LLAT50
400	1200	1.5	42.5	40	20	37.5	300.0	200	1	MPKB155K40L37LLAT33
400	1200	1.8	42.5	40	20	37.5	360.0	200	1	MPKB185K40L37LLAT33
400	1200	2.2	42.5	44	24	37.5	440.0	200	1	MPKB225K40L37LLAT61
400	1200	2.7	42.5	44	24	37.5	540.0	200	1	MPKB275K40L37LLAT61
400	1200	3.3	42.5	45	30	37.5	660.0	200	1	MPKB335K40L37LLAT10
500	1600	0.0047	18	11	5	15	21.2	4500	0.6	MPKB472K50L15LLAD10
500	1600	0.0056	18	11	5	15	25.2	4500	0.6	MPKB562K50L15LLAD10
500	1600	0.0068	18	12	6	15	30.6	4500	0.6	MPKB682K50L15LLAD20
500	1600	0.0082	18	12	6	15	36.9	4500	0.6	MPKB822K50L15LLAD20
500	1600	0.01	18	12	6	15	45.0	4500	0.6	MPKB103K50L15LLAD20
500	1600	0.012	18	13.5	7.5	15	54.0	4500	0.8	MPKB123K50L15LLAD30
500	1600	0.015	18	13.5	7.5	15	67.5	4500	0.8	MPKB153K50L15LLAD30
500	1600	0.018	18	14.5	8.5	15	81.0	4500	0.8	MPKB183K50L15LLAD40
500	1600	0.022	18	16	10	15	99.0	4500	0.8	MPKB223K50L15LLAD50

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

Series Metallized Polypropylene Film Capacitor

MPKB

串联聚丙烯膜盒装电容器

PART NUMBER REFERENCE AND DIMENSIONS

Vac	Vdc	Cap	Dimensions			Lead Space	Peak	dv/dt	Lead	Part Number
		Value	W	H	T	P	Current		Wire	
		uF	mm	mm	mm	mm	A		V/us	
500	1600	0.027	18	16	10	15	121.5	4500	0.8	MPKB273K50L15LLAD50
500	1600	0.033	18	19	11	15	148.5	4500	0.8	MPKB333K50L15LLAD60
500	1600	0.039	26	17	8.5	22.5	70.2	1800	0.8	MPKB393K50L22LLAE30
500	1600	0.047	26	19	10	22.5	84.6	1800	0.8	MPKB473K50L22LLAE40
500	1600	0.056	26	19	10	22.5	100.8	1800	0.8	MPKB563K50L22LLAE40
500	1600	0.068	26	20	11	22.5	122.4	1800	0.8	MPKB683K50L22LLAE50
500	1600	0.082	26	23	13	22.5	147.6	1800	0.8	MPKB823K50L22LLAE70
500	1600	0.1	26	22	13	22.5	180.0	1800	0.8	MPKB104K50L22LLAE70
500	1600	0.12	32	18	9	27.5	60.0	500	0.8	MPKB124K50L27LLAR00
500	1600	0.15	32	18	9	27.5	75.0	500	0.8	MPKB154K50L27LLAR00
500	1600	0.18	32	20	11	27.5	90.0	500	0.8	MPKB184K50L27LLAR10
500	1600	0.22	32	20	11	27.5	110.0	500	0.8	MPKB224K50L27LLAR10
500	1600	0.27	32	22	13	27.5	135.0	500	0.8	MPKB274K50L27LLAR20
500	1600	0.33	32	28	14	27.5	165.0	500	0.8	MPKB334K50L27LLAR50
500	1600	0.39	32	28	14	27.5	195.0	500	0.8	MPKB394K50L27LLAR50
500	1600	0.47	32	28	14	27.5	235.0	500	0.8	MPKB474K50L27LLAR50
500	1600	0.56	32	33	18	27.5	280.0	500	0.8	MPKB564K50L27LLAR80
500	1600	0.68	32	33	18	27.5	340.0	500	0.8	MPKB684K50L27LLAR80
500	1600	0.82	32	37	22	27.5	410.0	500	0.8	MPKB824K50L27LLAR94
500	1600	1	32	37	22	27.5	500.0	500	0.8	MPKB105K50L27LLAR94
500	1600	1	42.5	32	19	37.5	300.0	300	1	MPKB105K50L37LLAT50
500	1600	1.2	42.5	40	20	37.5	360.0	300	1	MPKB125K50L37LLAT33
500	1600	1.5	42.5	40	20	37.5	450.0	300	1	MPKB155K50L37LLAT33
500	1600	1.8	42.5	44	24	37.5	540.0	300	1	MPKB185K50L37LLAT61
500	1600	2.2	42.5	45	30	37.5	660.0	300	1	MPKB225K50L37LLAT10
700	2000	0.001	18	11	5	15	9.5	9500	0.6	MPKB102K70L15LLAD10
700	2000	0.0012	18	11	5	15	11.4	9500	0.6	MPKB122K70L15LLAD10
700	2000	0.0015	18	11	5	15	14.3	9500	0.6	MPKB152K70L15LLAD10
700	2000	0.0018	18	11	5	15	17.1	9500	0.6	MPKB182K70L15LLAD10
700	2000	0.0022	18	11	5	15	20.9	9500	0.6	MPKB222K70L15LLAD10
700	2000	0.0027	18	11	5	15	25.7	9500	0.6	MPKB272K70L15LLAD10
700	2000	0.0033	18	11	5	15	31.4	9500	0.6	MPKB332K70L15LLAD10
700	2000	0.0039	18	12	6	15	37.1	9500	0.6	MPKB392K70L15LLAD20
700	2000	0.0047	18	12	6	15	44.7	9500	0.6	MPKB472K70L15LLAD20
700	2000	0.0056	18	12	6	15	53.2	9500	0.6	MPKB562K70L15LLAD20
700	2000	0.0068	18	13.5	7.5	15	64.6	9500	0.8	MPKB682K70L15LLAD30
700	2000	0.0082	18	13.5	7.5	15	77.9	9500	0.8	MPKB822K70L15LLAD30
700	2000	0.01	18	14.5	8.5	15	95.0	9500	0.8	MPKB103K70L15LLAD40
700	2000	0.012	18	16	10	15	114.0	9500	0.8	MPKB123K70L15LLAD50
700	2000	0.015	18	16	10	15	142.5	9500	0.8	MPKB153K70L15LLAD50

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

Series Metallized Polypropylene Film Capacitor

MPKB

串联聚丙烯膜盒装电容器

PART NUMBER REFERENCE AND DIMENSIONS

Vac	Vdc	Cap	Dimensions			Lead Space	Peak	dv/dt	Lead	Part Number
		Value	W	H	T	P	Current		Wire	
		uF	mm	mm	mm	mm	A		V/us	
700	2000	0.018	18	19	11	15	171.0	9500	0.8	MPKB183K70L15LLAD60
700	2000	0.022	26	17	8.5	22.5	99.0	4500	0.8	MPKB223K70L22LLAE30
700	2000	0.027	26	17	8.5	22.5	121.5	4500	0.8	MPKB273K70L22LLAE30
700	2000	0.033	26	19	10	22.5	148.5	4500	0.8	MPKB333K70L22LLAE40
700	2000	0.039	26	19	10	22.5	175.5	4500	0.8	MPKB393K70L22LLAE40
700	2000	0.047	26	20	11	22.5	211.5	4500	0.8	MPKB473K70L22LLAE50
700	2000	0.056	26	23	13	22.5	252.0	4500	0.8	MPKB563K70L22LLAE70
700	2000	0.068	26	23	13	22.5	306.0	4500	0.8	MPKB683K70L22LLAE70
700	2000	0.082	32	20	11	27.5	57.4	700	0.8	MPKB823K70L27LLAR10
700	2000	0.1	32	22	13	27.5	70.0	700	0.8	MPKB104K70L27LLAR20
700	2000	0.12	32	22	13	27.5	84.0	700	0.8	MPKB124K70L27LLAR20
700	2000	0.15	32	28	14	27.5	105.0	700	0.8	MPKB154K70L27LLAR50
700	2000	0.18	32	28	14	27.5	126.0	700	0.8	MPKB184K70L27LLAR50
700	2000	0.22	32	33	18	27.5	154.0	700	0.8	MPKB224K70L27LLAR80
700	2000	0.27	32	33	18	27.5	189.0	700	0.8	MPKB274K70L27LLAR80
700	2000	0.33	32	37	22	27.5	231.0	700	0.8	MPKB334K70L27LLAR94
700	2000	0.39	42.5	32	19	37.5	156.0	400	1	MPKB394K70L37LLAT50
700	2000	0.47	42.5	40	20	37.5	188.0	400	1	MPKB474K70L37LLAT33
700	2000	0.56	42.5	40	20	37.5	224.0	400	1	MPKB564K70L37LLAT33
700	2000	0.68	42.5	44	24	37.5	272.0	400	1	MPKB684K70L37LLAT61
700	2000	0.82	42.5	44	24	37.5	328.0	400	1	MPKB824K70L37LLAT61
700	2000	1	42.5	45	30	37.5	400.0	400	1	MPKB105K70L37LLAT10
900	2500	0.001	26	16.5	7	22.5	2.5	2500	0.8	MPKB102K90L22LLAE20
900	2500	0.0012	26	16.5	7	22.5	3.0	2500	0.8	MPKB122K90L22LLAE20
900	2500	0.0015	26	16.5	7	22.5	3.8	2500	0.8	MPKB152K90L22LLAE20
900	2500	0.0018	26	16.5	7	22.5	4.5	2500	0.8	MPKB182K90L22LLAE20
900	2500	0.0022	26	16.5	7	22.5	5.5	2500	0.8	MPKB222K90L22LLAE20
900	2500	0.0027	26	16.5	7	22.5	6.8	2500	0.8	MPKB272K90L22LLAE20
900	2500	0.0033	26	16.5	7	22.5	8.3	2500	0.8	MPKB332K90L22LLAE20
900	2500	0.0039	26	16.5	7	22.5	9.8	2500	0.8	MPKB392K90L22LLAE20
900	2500	0.0047	26	16.5	7	22.5	11.8	2500	0.8	MPKB472K90L22LLAE20
900	2500	0.0056	26	16.5	7	22.5	14.0	2500	0.8	MPKB562K90L22LLAE20
900	2500	0.0068	26	16.5	7	22.5	17.0	2500	0.8	MPKB682K90L22LLAE20
900	2500	0.0082	26	16.5	7	22.5	20.5	2500	0.8	MPKB822K90L22LLAE20
900	2500	0.01	26	16.5	7	22.5	25.0	2500	0.8	MPKB103K90L22LLAE20
900	2500	0.012	26	17	8.5	22.5	30.0	2500	0.8	MPKB123K90L22LLAE30
900	2500	0.015	26	19	10	22.5	37.5	2500	0.8	MPKB153K90L22LLAE40
900	2500	0.018	26	19	10	22.5	45.0	2500	0.8	MPKB183K90L22LLAE40
900	2500	0.022	26	20	11	22.5	55.0	2500	0.8	MPKB223K90L22LLAE50
900	2500	0.027	26	23	13	22.5	121.5	4500	0.8	MPKB273K90L22LLAE70

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

Series Metallized Polypropylene Film Capacitor

MPKB

串联聚丙烯膜盒装电容器

■ PART NUMBER REFERENCE AND DIMENSIONS

Vac	Vdc	Cap	Dimensions			Lead Space	Peak	dv/dt	Lead	Part Number
		Value	W	H	T	P	Current		Wire	
		uF	mm	mm	mm	mm	A		V/us	
900	2500	0.033	26	23	13	22.5	148.5	4500	0.8	MPKB333K90L22LLAE70
900	2500	0.039	32	20	11	27.5	58.5	1500	0.8	MPKB393K90L27LLAR10
900	2500	0.047	32	22	13	27.5	70.5	1500	0.8	MPKB473K90L27LLAR20
900	2500	0.056	32	22	13	27.5	84.0	1500	0.8	MPKB563K90L27LLAR20
900	2500	0.068	32	28	14	27.5	102.0	1500	0.8	MPKB683K90L27LLAR50
900	2500	0.082	32	28	14	27.5	123.0	1500	0.8	MPKB823K90L27LLAR50
900	2500	0.1	32	33	18	27.5	150.0	1500	0.8	MPKB104K90L27LLAR80
900	2500	0.12	32	33	18	27.5	180.0	1500	0.8	MPKB124K90L27LLAR80
900	2500	0.15	32	33	18	27.5	225.0	1500	0.8	MPKB154K90L27LLAR80
900	2500	0.18	42.5	32	19	37.5	162.0	900	1	MPKB184K90L37LLAT50
900	2500	0.22	42.5	32	19	37.5	198.0	900	1	MPKB224K90L37LLAT50
900	2500	0.27	42.5	40	20	37.5	243.0	900	1	MPKB274K90L37LLAT33
900	2500	0.33	42.5	40	20	37.5	297.0	900	1	MPKB334K90L37LLAT33
900	2500	0.39	42.5	44	24	37.5	351.0	900	1	MPKB394K90L37LLAT61
900	2500	0.47	42.5	45	30	37.5	423.0	900	1	MPKB474K90L37LLAT10

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

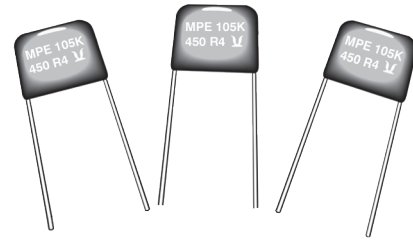
* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

Metallized Polyester Film Capacitor

DMPE

聚酯膜电容器

DMPE series is constructed with metallized Polyester film as dielectric and electrode, and sealed with epoxy coating. They are suitable for LED lighting, electronic ballasts and intermediate circuits for SMPS.



APPLICATION

LED lighting.

Electronic ballasts and compact lamps.

Intermediate circuits for SMPS.

FEATURES

High insulation resistance.

Self-healing properties.

High stability of capacitance and low losses.

SPECIFICATIONS

Reference Standard:	IEC60384-2
Climatic Category:	40/105/56 IEC60068-1
Operating Temperature Range:	-40°C to +105°C
Rated Voltage:	450Vdc
Capacitance Range:	0.1uF ~2.2uF
Capacitance Tolerance:	±5% or ±10% at +25°C
Dissipation Factor (DF):	≤ 0.01 (1.0%) at 1kHz at +25°C
Test Voltage Between Terminals:	1.5 x rated voltage for 10s (terminal to terminal)
Test Voltage Terminal to Case:	2.0KVac 50 Hz for 10 sec at +25°C
Insulation Resistance:	>15,000 MΩ (C≤0.33uF) at 100VDC 1 minute at +25°C
	>5,000 MΩ (C>0.33uF) at 100VDC 1 minute at +25°C
Life Expectancy:	100,000 hours at Un @ Hot-Spot temperature T=+85°C
Leads:	Tinned copper wires or Copper-clad Steel Wire
Packaging:	Packed in cardboard boxes with protection for the leads
RoHS Compliant:	Compliant with the restricted substance requirements of Directive 2002/95/EC

Metallized Polyester Film Capacitor

DMPE

聚酯膜电容器

PART NUMBER REFERENCE AND DIMENSIONS

Vdc	Cap	Dimensions			Lead Spacing	Peak	dv/dt	Lead	Part Number
	Value	W	H	T	P	Current		wire	
	uF	mm	mm	mm	mm	A		V/us	
450	0.1	13	11	5	10	15.0	150	0.6	DMPE104K2WL10LL
450	0.12	13	11	5	10	18.0	150	0.6	DMPE124K2WL10LL
450	0.15	13	11	5	10	22.5	150	0.6	DMPE154K2WL10LL
450	0.18	13	11	5	10	27.0	150	0.6	DMPE184K2WL10LL
450	0.22	13	11	5	10	33.0	150	0.6	DMPE224K2WL10LL
450	0.27	13	12	6	10	40.5	150	0.6	DMPE274K2WL10LL
450	0.33	13	12.5	6.5	10	49.5	150	0.6	DMPE334K2WL10LL
450	0.39	13	13	7	10	58.5	150	0.6	DMPE394K2WL10LL
450	0.47	13	14.5	7	10	70.5	150	0.6	DMPE474K2WL10LL
450	0.56	13	14	8	10	84.0	150	0.6	DMPE564K2WL10LL
450	0.68	13	16	8	10	102.0	150	0.6	DMPE684K2WL10LL
450	0.82	13	16.5	9	10	123.0	150	0.6	DMPE824K2WL10LL
450	1	13	19	10	10	150.0	150	0.6	DMPE105K2WL10LL
450	0.1	18	11	5	15	10.0	100	0.6	DMPE104K2WL15LL
450	0.12	18	11	5	15	12.0	100	0.6	DMPE124K2WL15LL
450	0.15	18	11	5	15	15.0	100	0.6	DMPE154K2WL15LL
450	0.18	18	12	6	15	18.0	100	0.6	DMPE184K2WL15LL
450	0.22	18	12	6	15	22.0	100	0.6	DMPE224K2WL15LL
450	0.33	18	12.5	6.5	15	33.0	100	0.6	DMPE334K2WL15LL
450	0.39	18	13	7	15	39.0	100	0.6	DMPE394K2WL15LL
450	0.47	18	13	7	15	47.0	100	0.6	DMPE474K2WL15LL
450	0.56	18	13.5	7.5	15	56.0	100	0.8	DMPE564K2WL15LL
450	0.68	18	14	8	15	68.0	100	0.8	DMPE684K2WL15LL
450	0.82	18	14.5	8.5	15	82.0	100	0.8	DMPE824K2WL15LL
450	1	18	17	8	15	100.0	100	0.8	DMPE105K2WL15LL
450	1.2	18	18	10	15	120.0	100	0.8	DMPE125K2WL15LL
450	1.5	25.5	16.5	8	22.5	90.0	60	0.8	DMPE155K2WL22LL
450	2.2	25.5	19	9	22.5	132.0	60	0.8	DMPE225K2WL22LL

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

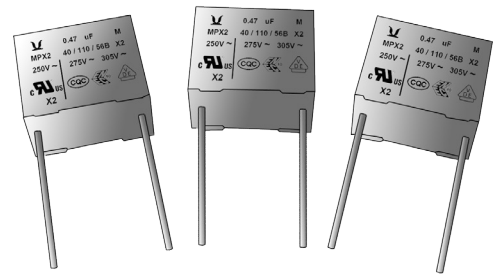
Interference Suppression Capacitor

Series	Capacitance	Rated Voltage	Application	Page
MPX2	0.01uF ~ 45uF	275/305Vac	Interference suppression Across-the-line capacitor EMI filter	42
MPX2 (THB)	0.01uF ~ 45uF	275/305Vac	Interference suppression Across-the-line capacitor EMI filter	47
MPXB (THB)	0.1uF ~ 2.2uF	305Vac	Capacitive Divider Energy meter and LED driver.	52

MPX2 275/305VAC

安规电容器

MPX2 series is constructed with metallized polypropylene film as dielectric, encapsulated in plastic case and sealed with epoxy resin material meeting UL-94V-0 requirements. They are suitable for electromagnetic interference (EMI) suppression in across-the-line applications



APPLICATION

EMI filters.

Across-the-line applications.

Not for use in "series with mains" application.

FEATURES

Approval: UL, VDE, ENEC, CQC, KTL

High temperature (110°C).

Self-healing properties.

Plastic case and resin meeting UL 94V-0 requirements.






SPECIFICATIONS

Reference Standard:	IEC 60384-14, EN 60384-14, UL 60384-14
Climatic Category:	40/110/56 IEC60068-1
Operating Temperature Range:	-40°C to +110°C
Rated Voltage:	250Vac ~ 305Vac
Capacitance Range:	0.01uF ~45uF
Capacitance Tolerance:	±5% or ±10% at +25°C
Dissipation Factor (DF):	≤ 0.001 (0.1%) at 1kHz at +25°C
Test Voltage Between Terminals:	1312Vdc for 60s or 2000Vdc 2s (terminal to terminal)
Test Voltage Terminal to Case:	2050Vac 50 Hz for 60 sec at +25°C
Insulation Resistance:	>15,000 MΩ (C≤0.33uF) at 100VDC 1 minute at +25°C
	>5,000 MΩ (C>0.33uF) at 100VDC 1 minute at +25°C
Life Expectancy:	100,000 hours at Un @ Hot-Spot temperature T=+85°C
Leads:	Tinned copper wires or Copper-clad Steel Wire
Packaging:	Packed in cardboard boxes with protection for the leads
RoHS Compliant:	Compliant with the restricted substance requirements of Directive 2002/95/EC

MPX2 275/305VAC

安規電容器

APPROVALS

Mark	Structure	Vr
	UL	275 305
	KTL	305
	CQC	275 305
	VDE	275
	ENEC	305

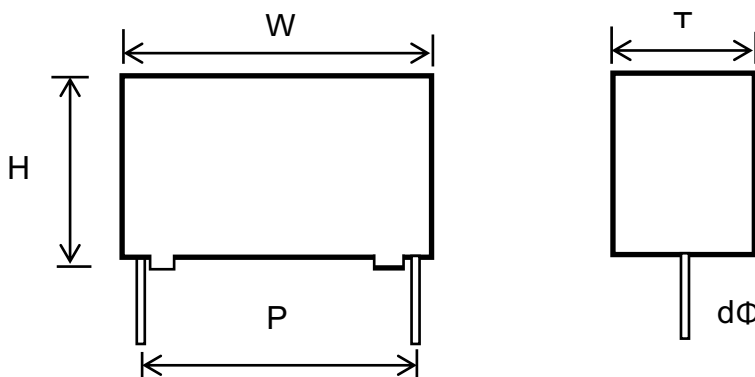
Marking:



- Europtronic trademark:
- Capacitance value and tolerance code
- Type code: MPX2
- Class: X2
- Rated voltage
- IEC climatic category
- Approval marks
- Manufacturing date code

PLASTIC CASE DIMENSIONS

Unit: mm



■ PLASTIC CASE DIMENSIONS

Case Code	W	H	T	P	d
	±1.0	±0.5	±0.5	±0.5	±0.1
B80	10	12	6	7.5	0.6
B90	10	13	7	7.5	0.6
B91	10	14	8	7.5	0.6
C20	13	11	5	10	0.6
C30	13	12	6	10	0.6
C40	13	13	7	10	0.6
C41	13	14	8	10	0.6
C50	13	16	8	10	0.6
C60	13	16	9	10	0.6
G20	15	12.5	7	12.5	0.6
G50	15	14	8.5	12.5	0.6
G80	15	16	10	12.5	0.6
D10	18	11	5	15	0.6
D20	18	12	6	15	0.6
D30	18	13.5	7.5	15	0.8
D40	18	14.5	8.5	15	0.8
D50	18	16	10	15	0.8
D54	18	18	10	15	0.8
D60	18	19	11	15	0.8
D70	18	22	12.5	15	0.8
E20	26	16.5	7	22.5	0.8
E30	26	17	8.5	22.5	0.8
E40	26	19	10	22.5	0.8
E50	26	20	11	22.5	0.8
E70	26	23	13	22.5	0.8
F00	32	18	9	27.5	0.8
F10	32	20	11	27.5	0.8
F20	32	22	13	27.5	0.8
F30	32	24.5	13	27.5	0.8
F50	32	28	14	27.5	0.8
F80	32	33	18	27.5	0.8
F94	32	37	22	27.5	0.8
T50	42.5	32	19	37.5	1
T33	42.5	40	20	37.5	1
T61	42.5	44	24	37.5	1
T10	42.5	45	30	37.5	1
K10	57.5	45	30	52.5	1.2
K20	57.5	50	35	52.5	1.2
K30	57.5	55	45	52.5	1.2
K40	57.5	53	50	52.5	1.2
K50	57.5	60	45	52.5	1.2

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

MPX2 275/305VAC

安規電容器

PART NUMBER REFERENCE AND DIMENSIONS

Vac	Vdc	Cap	Dimensions			Lead Space	Peak	dv/dt	Lead	Part Number
		Value	W	H	T	P	Current		Wire	
		uF	mm	mm	mm	mm	A	V/us	mm	
305	630	0.01	10	12	6	7.5	6.0	600	0.6	MPX2103K30L7PLLAB80
305	630	0.022	10	12	6	7.5	13.2	600	0.6	MPX2223K30L7PLLAB80
305	630	0.033	10	12	6	7.5	19.8	600	0.6	MPX2333K30L7PLLAB80
305	630	0.047	10	12	6	7.5	28.2	600	0.6	MPX2473K30L7PLLAB80
305	630	0.068	10	13	7	7.5	40.8	600	0.6	MPX2683K30L7PLLAB90
305	630	0.1	10	14	8	7.5	60.0	600	0.6	MPX2104K30L7PLLAB91
305	630	0.01	13	11	5	10	5.0	500	0.6	MPX2103K30L10LLAC20
305	630	0.022	13	11	5	10	11.0	500	0.6	MPX2223K30L10LLAC20
305	630	0.033	13	11	5	10	16.5	500	0.6	MPX2333K30L10LLAC20
305	630	0.047	13	11	5	10	23.5	500	0.6	MPX2473K30L10LLAC20
305	630	0.068	13	11	5	10	34.0	500	0.6	MPX2683K30L10LLAC20
305	630	0.082	13	11	5	10	41.0	500	0.6	MPX2823K30L10LLAC20
305	630	0.082	13	12	6	10	41.0	500	0.6	MPX2823K30L10LLAC30
305	630	0.1	13	12	6	10	50.0	500	0.6	MPX2104K30L10LLAC30
305	630	0.15	13	13	7	10	75.0	500	0.6	MPX2154K30L10LLAC40
305	630	0.15	13	14	8	10	75.0	500	0.6	MPX2154K30L10LLAC41
305	630	0.22	13	14	8	10	110.0	500	0.6	MPX2224K30L10LLAC41
305	630	0.27	13	16	8	10	135.0	500	0.6	MPX2274K30L10LLAC50
305	630	0.33	13	16	9	10	165.0	500	0.6	MPX2334K30L10LLAC60
305	630	0.15	15	12.5	7	12.5	75.0	500	0.6	MPX2154K30L12LLAG20
305	630	0.22	15	12.5	7	12.5	110.0	500	0.6	MPX2224K30L12LLAG20
305	630	0.33	15	14	8.5	12.5	165.0	500	0.6	MPX2334K30L12LLAG50
305	630	0.47	15	16	10	12.5	235.0	500	0.6	MPX2334K30L12LLAG80
305	630	0.047	18	11	5	15	18.8	400	0.6	MPX2473K30L15LLAD10
305	630	0.068	18	11	5	15	27.2	400	0.6	MPX2683K30L15LLAD10
305	630	0.082	18	11	5	15	32.8	400	0.6	MPX2823K30L15LLAD10
305	630	0.1	18	11	5	15	40.0	400	0.6	MPX2104K30L15LLAD10
305	630	0.1	18	12	6	15	40.0	400	0.6	MPX2104K30L15LLAD20
305	630	0.15	18	12	6	15	60.0	400	0.6	MPX2154K30L15LLAD20
305	630	0.22	18	12	6	15	88.0	400	0.6	MPX2224K30L15LLAD20
305	630	0.22	18	13.5	7.5	15	88.0	400	0.8	MPX2224K30L15LLAD30
305	630	0.27	18	13.5	7.5	15	108.0	400	0.8	MPX2274K30L15LLAD30
305	630	0.27	18	14.5	8.5	15	108.0	400	0.8	MPX2274K30L15LLAD40
305	630	0.33	18	14.5	8.5	15	132.0	400	0.8	MPX2334K30L15LLAD40
305	630	0.33	18	16	10	15	132.0	400	0.8	MPX2334K30L15LLAD50
305	630	0.47	18	16	10	15	188.0	400	0.8	MPX2474K30L15LLAD50
305	630	0.47	18	19	11	15	188.0	400	0.8	MPX2474K30L15LLAD60
305	630	0.56	18	18	10	15	224.0	400	0.8	MPX2564K30L15LLAD54
305	630	0.68	18	19	11	15	272.0	400	0.8	MPX2684K30L15LLAD60
305	630	0.82	18	19	11	15	328.0	400	0.8	MPX2824K30L15LLAD60
305	630	1	18	22	12.5	15	400.0	400	0.8	MPX2824K30L15LLAD70
305	630	0.22	26	16.5	7	22.5	44.0	200	0.8	MPX2224K30L22LLAE20
305	630	0.27	26	16.5	7	22.5	54.0	200	0.8	MPX2274K30L22LLAE20

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

PART NUMBER REFERENCE AND DIMENSIONS

Vac	Vdc	Cap	Dimensions			Lead Space	Peak	dv/dt V/us	Lead	Part Number
		Value	W	H	T	P	Current		Wire	
		uF	mm	mm	mm	mm	A		mm	
305	630	0.33	26	17	8.5	22.5	66.0	200	0.8	MPX2334K30L22LLAE30
305	630	0.47	26	17	8.5	22.5	94.0	200	0.8	MPX2474K30L22LLAE30
305	630	0.47	26	19	10	22.5	94.0	200	0.8	MPX2474K30L22LLAE40
305	630	0.56	26	17	8.5	22.5	112.0	200	0.8	MPX2564K30L22LLAE30
305	630	0.56	26	19	10	22.5	112.0	200	0.8	MPX2564K30L22LLAE40
305	630	0.68	26	17	8.5	22.5	136.0	200	0.8	MPX2684K30L22LLAE30
305	630	0.68	26	19	10	22.5	136.0	200	0.8	MPX2684K30L22LLAE40
305	630	0.82	26	19	10	22.5	164.0	200	0.8	MPX2824K30L22LLAE40
305	630	1	26	19	10	22.5	200.0	200	0.8	MPX2105K30L22LLAE40
305	630	1	26	20	11	22.5	200.0	200	0.8	MPX2105K30L22LLAE50
305	630	1.2	26	23	13	22.5	240.0	200	0.8	MPX2125K30L22LLAE70
305	630	1.5	26	23	13	22.5	300.0	200	0.8	MPX2155K30L22LLAE70
305	630	0.68	32	18	9	27.5	102.0	150	0.8	MPX2684K30L27LLAF00
305	630	0.82	32	18	9	27.5	123.0	150	0.8	MPX2824K30L27LLAF00
305	630	1	32	20	11	27.5	150.0	150	0.8	MPX2105K30L27LLAF10
305	630	1.2	32	22	13	27.5	180.0	150	0.8	MPX2125K30L27LLAF20
305	630	1.5	32	24.5	13	27.5	225.0	150	0.8	MPX2155K30L27LLAF30
305	630	2.2	32	28	14	27.5	330.0	150	0.8	MPX2225K30L27LLAF50
305	630	3.3	32	33	18	27.5	495.0	150	0.8	MPX2335K30L27LLAF80
305	630	4.7	32	33	18	27.5	705.0	150	0.8	MPX2475K30L27LLAF80
305	630	4.7	32	37	22	27.5	705.0	150	0.8	MPX2475K30L27LLAF94
305	630	4.7	42.5	32	19	37.5	470.0	100	1	MPX2475K30L37LLAT50
305	630	6.8	42.5	40	20	37.5	680.0	100	1	MPX2685K30L37LLAT33
305	630	6.8	42.5	44	24	37.5	680.0	100	1	MPX2685K30L37LLAT61
305	630	10	42.5	45	30	37.5	1000.0	100	1	MPX2106K30L37LLAT10
305	630	12	42.5	45	30	37.5	1200.0	100	1	MPX2126K30L37LLAT10
305	630	12	57.5	45	30	52.5	960.0	80	1.2	MPX2126K30L52LLAK10
305	630	15	42.5	45	30	37.5	1500.0	100	1	MPX2156K30L37LLAT10
305	630	15	57.5	45	30	52.5	900.0	60	1.2	MPX2156K30L52LLAK10
305	630	18	42.5	45	30	37.5	1800.0	100	1	MPX2186K30L37LLAT10
305	630	18	57.5	45	30	52.5	1080.0	60	1.2	MPX2186K30L52LLAK10
305	630	20	42.5	45	30	37.5	2000.0	100	1	MPX2206K30L37LLAT10
305	630	20	57.5	45	30	52.5	1200.0	60	1.2	MPX2206K30L52LLAK10
305	630	22	42.5	45	30	37.5	2200.0	100	1	MPX2226K30L37LLAT10
305	630	22	57.5	45	30	52.5	1320.0	60	1.2	MPX2226K30L52LLAK10
305	630	25	57.5	45	30	52.5	1500.0	60	1.2	MPX2256K30L52LLAK10
305	630	30	57.5	45	30	52.5	1800.0	60	1.2	MPX2306K30L52LLAK10
305	630	30	57.5	50	35	52.5	1800.0	60	1.2	MPX2306K30L52LLAK20
305	630	33	57.5	50	35	52.5	1980.0	60	1.2	MPX2336K30L52LLAK20
305	630	39	57.5	50	35	52.5	2340.0	60	1.2	MPX2396K30L52LLAK20
305	630	40	57.5	50	35	52.5	2400.0	60	1.2	MPX2406K30L52LLAK20
305	630	45	57.5	53	50	52.5	2700.0	60	1.2	MPX2456K30L52LLAK40
305	630	45	57.5	60	45	52.5	2700.0	60	1.2	MPX2456K30L52LLAK50

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

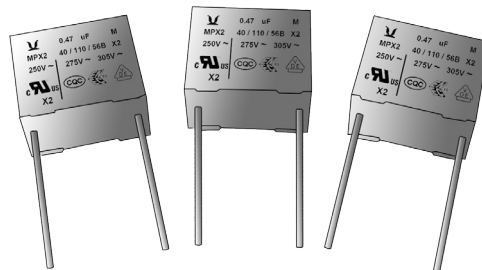
* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

Metallized Polypropylene Film Capacitor (Interference Suppressor Class X-2)

MPX2(THB) 305VAC

高温高温
抗干扰安规电容器

MPX2(THB) series is constructed with metallized polypropylene film as dielectric, encapsulated in self-extinguishing solvent resistant plastic case and sealed with epoxy resin material meeting UL-94V-0 requirements. They are suitable for application with severe ambient conditions and harsh environment.



APPLICATION

EMI filters.

Across-the-line applications.

Not for use in "series with mains" application.

FEATURES

Approval: UL, VDE, ENEC, CQC, KTL

High temperature (110°C).

Self-healing properties.

Plastic case and resin meeting UL 94V-0 requirements.






SPECIFICATIONS

Reference Standard:	IEC 60384-14, EN 60384-14, UL 60384-14
Climatic Category:	40/110/56 IEC60068-1
Operating Temperature Range:	-40°C to +110°C
Rated Voltage:	250Vac ~ 305Vac
Capacitance Range:	0.01uF ~45uF
Capacitance Tolerance:	±10% or ±20% at +25°C
Dissipation Factor (DF):	≤ 0.001 (0.1%) at 1kHz at +25°C
Test Voltage Between Terminals:	1312Vdc for 60s or 2000Vdc 2s (terminal to terminal)
Test Voltage Terminal to Case:	2050Vac 50 Hz for 60 sec at +25°C
Insulation Resistance:	>15,000 MΩ (C≤0.33uF) at 100VDC 1 minute at +25°C >5,000 MΩ (C>0.33uF) at 100VDC 1 minute at +25°C
Life Expectancy:	100,000 hours at Un @ Hot-Spot temperature T=+85°C
Leads:	Tinned copper wires or Copper-clad Steel Wire
Packaging:	Packed in cardboard boxes with protection for the leads
RoHS Compliant:	Compliant with the restricted substance requirements of Directive 2002/95/EC
THB Test (Damp heat test with loading):	Temperature : 85°C ± 2°C ; Humidity : 85% ± 2% Loading Voltage: 240Vac (50Hz/60Hz) ; Duration: 1000 hours Capacitance change(ΔC/C): ≤10%

MPX2(THB) 305VAC

高温高湿
抗干扰安规电容器

APPROVALS

Mark	Structure	Vr
	UL	275 305
	KTL	305
	CQC	275 305
	VDE	275 305
	ENEC	

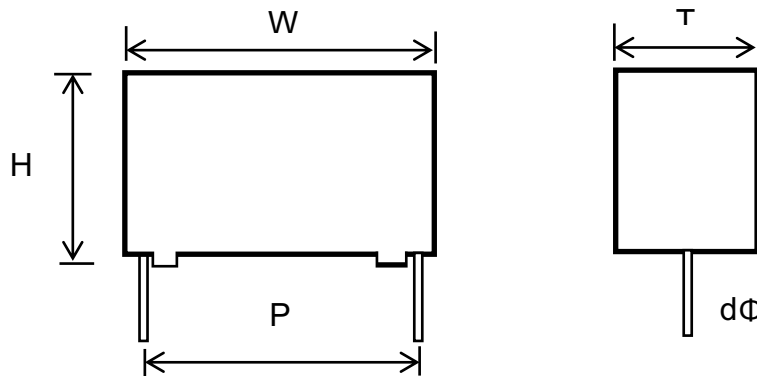
Marking:



- Eurotronic trademark:
- Capacitance value and tolerance code
- Type code: MPX2
- Class: X2
- Rated voltage
- IEC climatic category
- Approval marks
- Manufacturing date code

PLASTIC CASE DIMENSIONS

Unit: mm



MPX2(THB) 305VAC

高温高湿
抗干扰安规电容器

■ PLASTIC CASE DIMENSIONS

Unit: mm

Case Code	W	H	T	P	d
	±1.0	±0.5	±0.5	±0.5	±0.1
B80	10	12	6	7.5	0.6
B90	10	13	7	7.5	0.6
B91	10	14	8	7.5	0.6
C20	13	11	5	10	0.6
C30	13	12	6	10	0.6
C40	13	13	7	10	0.6
C41	13	14	8	10	0.6
C50	13	16	8	10	0.6
C60	13	16	9	10	0.6
G20	15	12.5	7	12.5	0.6
G50	15	14	8.5	12.5	0.6
G80	15	16	10	12.5	0.6
D10	18	11	5	15	0.6
D20	18	12	6	15	0.6
D30	18	13.5	7.5	15	0.8
D40	18	14.5	8.5	15	0.8
D50	18	16	10	15	0.8
D54	18	18	10	15	0.8
D60	18	19	11	15	0.8
E20	26	16.5	7	22.5	0.8
E30	26	17	8.5	22.5	0.8
E40	26	19	10	22.5	0.8
E50	26	20	11	22.5	0.8
E70	26	23	13	22.5	0.8
F00	32	18	9	27.5	0.8
F10	32	20	11	27.5	0.8
F20	32	22	13	27.5	0.8
F30	32	24.5	13	27.5	0.8
F50	32	28	14	27.5	0.8
F80	32	33	18	27.5	0.8
F94	32	37	22	27.5	0.8
T50	42.5	32	19	37.5	1
T33	42.5	40	20	37.5	1
T61	42.5	44	24	37.5	1
T10	42.5	45	30	37.5	1
K10	57.5	45	30	52.5	1.2
K20	57.5	50	35	52.5	1.2
K30	57.5	55	45	52.5	1.2
K40	57.5	53	50	52.5	1.2
K50	57.5	60	45	52.5	1.2

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

Metallized Polypropylene Film Capacitor (Interference Suppressor Class X-2)

MPX2(THB) 305VAC

高温高湿
抗干扰安规电容器

PART NUMBER REFERENCE AND DIMENSIONS

Vac	Vdc	Cap	Dimensions			Lead Space	Peak	dv/dt	Lead	Part Number
		Value	W	H	T	P	Current		Wire	
		uF	mm	mm	mm	mm	A		V/us	
305	630	0.01	13	11	5	10	5.0	500	0.6	MPX2103K30L10LLAC20
305	630	0.022	13	11	5	10	11.0	500	0.6	MPX2223K30L10LLAC20
305	630	0.033	13	11	5	10	16.5	500	0.6	MPX2333K30L10LLAC20
305	630	0.047	13	12	6	10	23.5	500	0.6	MPX2473K30L10LLAC30
305	630	0.068	13	12	6	10	34.0	500	0.6	MPX2683K30L10LLAC30
305	630	0.082	13	12	6	10	41.0	500	0.6	MPX2823K30L10LLAC30
305	630	0.1	13	12	6	10	50.0	500	0.6	MPX2104K30L10LLAC30
305	630	0.15	13	14	8	10	75.0	500	0.6	MPX2154K30L10LLAC41
305	630	0.047	18	12	6	15	18.8	400	0.6	MPX2473K30L15LLAD20
305	630	0.068	18	12	6	15	27.2	400	0.6	MPX2683K30L15LLAD20
305	630	0.082	18	12	6	15	32.8	400	0.6	MPX2823K30L15LLAD20
305	630	0.1	18	12	6	15	40.0	400	0.6	MPX2104K30L15LLAD20
305	630	0.15	18	12	6	15	60.0	400	0.6	MPX2154K30L15LLAD20
305	630	0.15	18	13	7	15	60.0	400	0.8	MPX2154K30L15LLAD33
305	630	0.22	18	14	8	15	88.0	400	0.8	MPX2224K30L15LLAD41
305	630	0.27	18	14.5	8.5	15	108.0	400	0.8	MPX2274K30L15LLAD40
305	630	0.33	18	16	10	15	132.0	400	0.8	MPX2334K30L15LLAD50
305	630	0.47	18	19	11	15	188.0	400	0.8	MPX2474K30L15LLAD60
305	630	0.56	18	18	11	15	224.0	400	0.8	MPX2564K30L15LLAD60
305	630	0.68	18	22	12.5	15	272.0	400	0.8	MPX2684K30L15LLAD70
305	630	0.82	18	22	12.5	15	328.0	400	0.8	MPX2824K30L15LLAD70
305	630	0.22	26	16.5	7	22.5	44.0	200	0.8	MPX2224K30L22LLAE20
305	630	0.27	26	16.5	7	22.5	54.0	200	0.8	MPX2274K30L22LLAE20
305	630	0.33	26	17	8.5	22.5	66.0	200	0.8	MPX2334K30L22LLAE30
305	630	0.47	26	19	10	22.5	94.0	200	0.8	MPX2474K30L22LLAE40
305	630	0.56	26	19	10	22.5	112.0	200	0.8	MPX2564K30L22LLAE40
305	630	0.68	26	20	11	22.5	136.0	200	0.8	MPX2684K30L22LLAE50
305	630	0.82	26	20	11	22.5	164.0	200	0.8	MPX2824K30L22LLAE50
305	630	1	26	22	12	22.5	200.0	200	0.8	MPX2105K30L22LLAE60
305	630	1.2	26	23	13	22.5	240.0	200	0.8	MPX2125K30L22LLAE70
305	630	1.5	26	24	14	22.5	300.0	200	0.8	MPX2155K30L22LLAE80
305	630	1.5	26	25	15	22.5	300.0	200	0.8	MPX2155K30L22LLAE90
305	630	1	32	20	11	27.5	150.0	150	0.8	MPX2105K30L27LLAF10
305	630	1.2	32	22	13	27.5	180.0	150	0.8	MPX2125K30L27LLAF20
305	630	1.5	32	24.5	13	27.5	225.0	150	0.8	MPX2155K30L27LLAF30
305	630	2.2	32	28	14	27.5	330.0	150	0.8	MPX2225K30L27LLAF50
305	630	3.3	32	33	18	27.5	495.0	150	0.8	MPX2335K30L27LLAF80
305	630	4.7	32	37	22	27.5	705.0	150	0.8	MPX2475K30L27LLAF94
305	630	4.7	42.5	32	19	37.5	470.0	100	1	MPX2475K30L37LLAT50
305	630	6.8	42.5	44	24	37.5	680.0	100	1	MPX2685K30L37LLAT61
305	630	10	42.5	45	30	37.5	1000.0	100	1	MPX2106K30L37LLAT10
305	630	12	42.5	45	30	37.5	1200.0	100	1	MPX2126K30L37LLAT10

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

Metallized Polypropylene Film Capacitor (Interference Suppressor Class X-2)

MPX2(THB) 305VAC

高温高湿
抗干扰安规电容器

PART NUMBER REFERENCE AND DIMENSIONS

Vac	Vdc	Cap	Dimensions			Lead Space	Peak	dv/dt	Lead	Part
		Value	W	H	T	P	Current		Wire	
		uF	mm	mm	mm	mm	A		V/us	
305	630	12	57.5	45	30	52.5	1200.0	100	1.2	MPX2126K30L52LLAK10
305	630	15	42.5	45	30	37.5	1500.0	100	1	MPX2156K30L37LLAT10
305	630	15	57.5	45	30	52.5	1500.0	100	1.2	MPX2156K30L52LLAK10
305	630	18	57.5	45	30	52.5	1800.0	100	1.2	MPX2186K30L52LLAK10
305	630	20	57.5	45	30	52.5	2000.0	100	1.2	MPX2206K30L52LLAK10
305	630	22	57.5	45	30	52.5	2200.0	100	1.2	MPX2226K30L52LLAK10
305	630	25	57.5	45	30	52.5	2500.0	100	1.2	MPX2256K30L52LLAK10
305	630	30	57.5	45	30	52.5	3000.0	100	1.2	MPX2306K30L52LLAK10
305	630	30	57.5	50	35	52.5	3000.0	100	1.2	MPX2306K30L52LLAK20
305	630	33	57.5	50	35	52.5	3300.0	100	1.2	MPX2336K30L52LLAK20
305	630	39	57.5	50	35	52.5	3900.0	100	1.2	MPX2396K30L52LLAK20
305	630	40	57.5	50	35	52.5	4000.0	100	1.2	MPX2406K30L52LLAK20
305	630	45	57.5	53	50	52.5	4500.0	100	1.2	MPX2456K30L52LLAK40
305	630	45	57.5	60	45	52.5	4500.0	100	1.2	MPX2456K30L52LLAK50

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

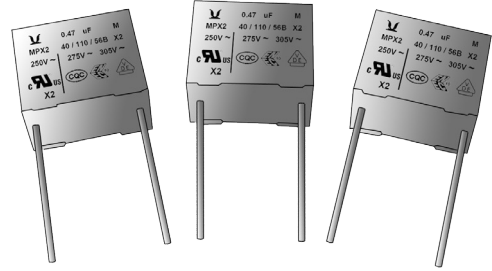
* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

Metallized Polypropylene Film Capacitor (Class X-2, for Capacitive Divider)

MPXB 275/305VAC

MPXB series is constructed with metallized polypropylene film as dielectric, encapsulated in self-extinguishing solvent resistant plastic case and sealed with epoxy resin material meeting UL-94V-0 requirements. They are suitable for application with severe ambient conditions and harsh environment.

高温高温
串联降压安规电容器



APPLICATION

Connection in series with mains.

Capacitive divider for power supply and energy meter.

Suitable for application required severe ambient conditions.

FEATURES

Approval: UL, VDE, ENEC, CQC, KTL

High temperature (110°C).

Self-healing properties.

Plastic case and resin meeting UL 94V-0 requirements.

SPECIFICATIONS






Reference Standard:	IEC 60384-14, EN 60384-14, UL 60384-14
Climatic Category:	40/110/56 IEC60068-1
Operating Temperature Range:	-40°C to +110°C
Rated Voltage:	250Vac ~ 305Vac
Capacitance Range:	0.1uF ~2.2uF
Capacitance Tolerance:	±10% or ±20% at +25°C
Dissipation Factor (DF):	≤ 0.001 (0.1%) at 1kHz at +25°C
Test Voltage Between Terminals:	1312Vdc for 60s or 2000Vdc 2s (terminal to terminal)
Test Voltage Terminal to Case:	2050Vac 50 Hz for 60 sec at +25°C
Insulation Resistance:	>15,000 MΩ (C≤0.33uF) at 100VDC 1 minute at +25°C
	>5,000 MΩ (C>0.33uF) at 100VDC 1 minute at +25°C
Life Expectancy:	100,000 hours at Un @ Hot-Spot temperature T=+85°C
Leads:	Tinned copper wires or Copper-clad Steel Wire
Packaging:	Packed in cardboard boxes with protection for the leads
RoHS Compliant:	Compliant with the restricted substance requirements of Directive 2002/95/EC
THB Test (Damp heat test with loading):	Temperature : 85°C ± 2°C ; Humidity : 85% ± 2%
	Loading Voltage: 240Vac (50Hz/60Hz) ;
	Duration: 1000 hours
	Capacitance change(ΔC/C): ≤10%

Metallized Polypropylene Film Capacitor (Class X-2, For Capacitive Divider)

MPXB 275/305VAC

高温高湿
串联降压安规电容器

APPROVALS

Mark	Structure	Vr
	UL	275 305
	KTL	305
	CQC	275 305
	VDE	275 305
	ENEC	

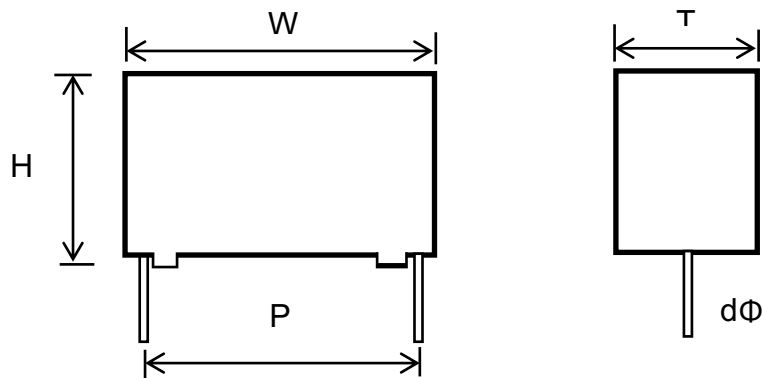
Marking:



- Eurotronic trademark:
- Capacitance value and tolerance code
- Type code: MPX2
- Class: X2
- Rated voltage
- IEC climatic category
- Approval marks
- Manufacturing date code

PLASTIC CASE DIMENSIONS

Unit: mm



Metallized Polypropylene Film Capacitor (Class X-2, For Capacitive Divider)

MPXB 275/305VAC

高温高温
串联降压安规电容器

PLASTIC CASE DIMENSIONS

Unit: mm

Case Code	W	H	T	P	d
	±1.0	±0.5	±0.5	±0.5	±0.1
D10	18	11	5	15	0.6
D20	18	12	6	15	0.6
D30	18	13.5	7.5	15	0.8
D40	18	14.5	8.5	15	0.8
D50	18	16	10	15	0.8
D54	18	18	10	15	0.8
D60	18	19	11	15	0.8
E20	26	16.5	7	22.5	0.8
E30	26	17	8.5	22.5	0.8
E40	26	19	10	22.5	0.8
E50	26	20	11	22.5	0.8
E60	26	22	12	22.5	0.8
E70	26	23	13	22.5	0.8
F00	32	18	9	27.5	0.8
F10	32	20	11	27.5	0.8
F20	32	22	13	27.5	0.8
F30	32	24.5	13	27.5	0.8
F50	32	28	14	27.5	0.8
F80	32	33	18	27.5	0.8
F94	32	37	22	27.5	0.8

PART NUMBER REFERENCE AND DIMENSIONS

Vac	Vdc	Cap	Dimensions			Lead Space	Peak	dv/dt	Lead	Part Number
		Value	W	H	T	P	Current		Wire	
		uF	mm	mm	mm	mm	A		V/us	
305	630	0.10	18	13.5	7.5	15	40.0	400	0.8	MPXB104K30L15LLAD30
305	630	0.15	18	14.5	8.5	15	60.0	400	0.8	MPXB154K30L15LLAD40
305	630	0.22	18	16	10	15	88.0	400	0.8	MPXB224K30L15LLAD50
305	630	0.33	18	19	11	15	132.0	400	0.8	MPXB334K30L15LLAD60
305	630	0.47	26	20	11	22.5	94.0	200	0.8	MPXB474K30L22LLAE50
305	630	0.56	26	20	11	22.5	112.0	200	0.8	MPXB564K30L22LLAE50
305	630	0.68	26	22	12	22.5	136.0	200	0.8	MPXB684K30L22LLAE60
305	630	0.82	26	22	12	22.5	164.0	200	0.8	MPXB824K30L22LLAE60
305	630	1.00	26	23	13	22.5	200.0	200	0.8	MPXB105K30L22LLAE70
305	630	1.00	32	22	13	27.5	100.0	100	0.8	MPXB105K30L27LLAF20
305	630	1.2	32	28	14	27.5	120.0	100	0.8	MPXB125K30L27LLAF50
305	630	1.5	32	28	14	27.5	150.0	100	0.8	MPXB155K30L27LLAF50
305	630	1.8	32	33	18	27.5	180.0	100	0.8	MPXB185K30L27LLAF80
305	630	2.0	32	33	18	27.5	200.0	100	0.8	MPXB205K30L27LLAF80
305	630	2.2	32	33	18	27.5	220.0	100	0.8	MPXB225K30L27LLAF80

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

Snubber Capacitor

Series	Capacitance	Rated Voltage	Application	Page
SLB	0.033uF ~ 5uF	700VDC ~ 2000VDC	Energy Conversion Power Semiconductor Circuits IGBT Modules Protection	56
SLE	0.10uF ~ 5uF	700VDC ~ 2000VDC	Energy Conversion Power Semiconductor Circuits IGBT Modules Protection	61
SLW	0.047uF ~ 5uF	700VDC ~ 2000VDC	Energy Conversion Power Semiconductor Circuits IGBT Modules Protection	66

Metallized Polypropylene Film Capacitor(Radial Lead) Snubber/Switching Application

SLB

订购基本规格

EXPLANATION OF ARTICLE CODE

S L B -	1 0 5	K	3 A	4	5 2	D	5
①	②	③	④	⑤	⑥	⑦	⑧

① Capacitor Type

TYPE	SLB
CODE	SLB-

② Rated Capacitance (EIA Code)

The rated capacitance value of the product is indicated with three digits. The first two digits indicate the two most significant digits of the capacitance value, and the third digit gives the number of following zeroes. This give the capacitance value expressed in picofarads.

Example:

105	=	1,000,000pF	=	1,000nF	=	1uF
106	=	10,000,000pF	=	10,000nF	=	10uF

③ Capacitance Tolerance

TOLERANCE	±5%	±10%	±20%
CODE	J	K	M

④ Rated Voltage

Code for DC Voltage: (expressed in one digit & one letter code)

VOLTAGE	700V	800V	850V	900V	1000V	1100V	1200V	1250V	1500V	1600V	1800V	2000V	2500V	3000V
CODE	2S	2K	2T	2U	3A	3L	3M	3B	3N	3C	3Q	3D	3E	3F

⑤ Lead Configuration

LEAD TYPE	2 Lead		4 Lead
	Long	Cut	Cut
CODE	L	B	4

⑦ Lead Pitch(P1)

Unit: mm

Lead Pitch	5.1	10.2	12.7	16.0	20.3	0.0
CODE	A	B	G	C	D	L

⑧ Lead Length

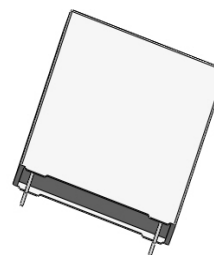
TYPE	Long	Cut
LENGTH	15mm(min)	5.0
CODE	L	5

Metallized Polypropylene Film Capacitor(Radial Lead) Snubber/Switching Application

SLB

吸收电容器

SLB series is constructed with double metallized film and metallized polypropylene film in series winding. Encapsulated in plastic casing and sealed with epoxy resin material. They are suitable for snubber application like IGBT module protection and power semiconductor circuits.



APPLICATION

Energy conversion.

Power semiconductor circuits.

IGBT modules protection.

FEATURES

Low inductive construction.

Low losses dielectric.

Self-healing property.

Suitable for high frequency applications.

SPECIFICATIONS

Reference Standard:	IEC61071
Climatic Category:	40/85/56 IEC60068-1
Operating Temperature Range:	-40°C to +105°C
Rated Voltage:	700Vdc ~ 2000Vdc
Capacitance Range:	0.033uF ~5.0uF
Capacitance Tolerance:	±5% or ±10% at +25°C
Dissipation Factor (DF):	≤ 0.001 (0.1%) at 1kHz at +25°C
Test Voltage Between Terminals:	1.5 x rated voltage for 10s (terminal to terminal)
Test Voltage Terminal to Case:	3.0KVac 50 Hz for 10 sec at +25°C
Insulation Resistance:	IR x C ≥ 50,000 Seconds at 100VDC 1 minute at +25°C
Leads:	Tinned copper wires, standard lead wire length 5 ±1mm
Life Expectancy:	100,000 hours at Un @ Hot-Spot temperature T=+85°C
Packaging:	Packed in cardboard boxes with protection for the leads
RoHS Compliant:	Compliant with the restricted substance requirements of Directive 2002/95/EC
Installation:	Any position

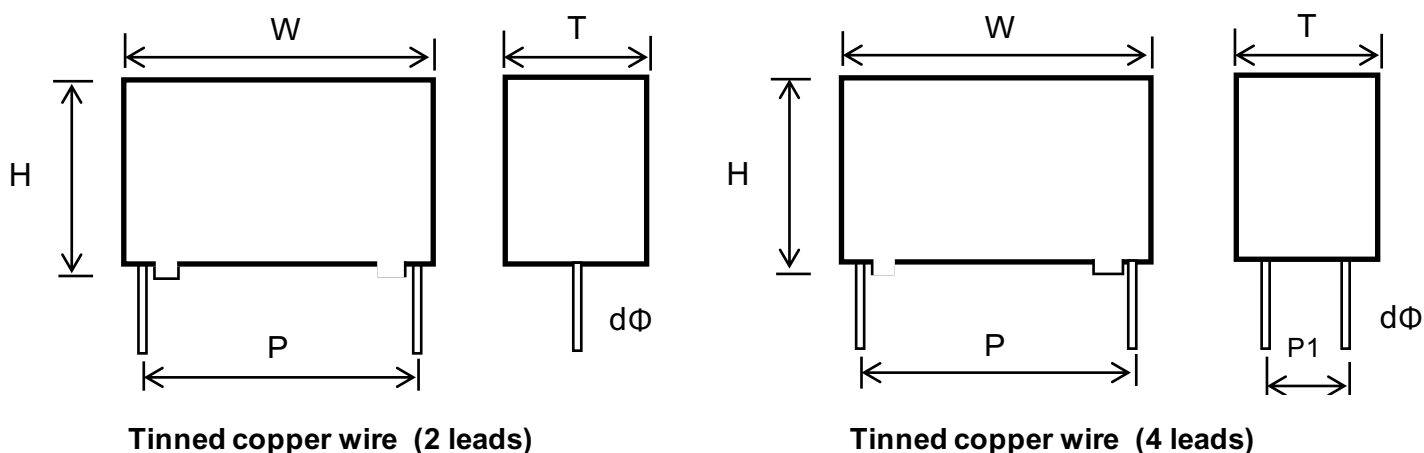
Metallized Polypropylene Film Capacitor(Radial Lead) Snubber/Switching Application

SLB

吸收电容器

PLASTIC CASE DIMENSIONS

Unit: mm



Tinned copper wire (2 leads)

Tinned copper wire (4 leads)

LEAD WIRES AND DIMENSIONS

Unit: mm

Number of Lead Wires	Lead spacing	Lead diameter
	$P \pm 0.5$	$d\Phi \pm 0.1$
	mm	mm
2 - pin	27.5	0.8
2 - pin	37.5	1.0
4 - pin	37.5	1.2
4 - pin	52.5	1.2

PLASTIC CASE DIMENSIONS

Unit: mm

Case Code	W	H	T	P
	± 1	± 1	± 1	± 0.5
R10	32	20	11	27.5
R20	32	22	13	27.5
R30	32	24.5	13	27.5
R50	32	28	14	27.5
R80	32	33	18	27.5
R94	32	37	22	27.5
T50	42.5	32	19	37.5
T10	42.5	45	30	37.5
T33	42.5	40	20	37.5
T61	42.5	44	24	37.5
T42	42.5	37	28	37.5
K10	57.5	45	30	52.5
K20	57.5	50	35	52.5

Metallized Polypropylene Film Capacitor(Radial Lead) Snubber/Switching Application

吸收电容器

SLB

PART NUMBER REFERENCE AND DIMENSIONS

Unit: mm

Vdc	Cap	Dimensions					I _{rms} 100KHz 70°C A	Peak Current A	ESR _{Typical} 100KHz mΩ	ESL nH	dv/dt V/us	Lead	Part Number
	Value	W	H	T	P	P1						Wire	
	uF	mm	mm	mm	mm	mm						mm	
700/850	0.15	32	20	11	27.5	\	8	195	14.5	24	1300	0.8	SLB-154K2TB27L5AR10
700/850	0.22	32	22	13	27.5	\	10	286	10.5	24	1300	0.8	SLB-224K2TB27L5AR20
700/850	0.33	32	28	14	27.5	\	13	429	7.6	26	1300	0.8	SLB-334K2TB27L5AR50
700/850	0.47	32	33	18	27.5	\	14	611	5.8	26	1300	0.8	SLB-474K2TB27L5AR80
700/850	0.68	32	37	22	27.5	\	16	884	4.6	28	1300	0.8	SLB-684K2TB27L5AR94
700/850	1	42.5	40	20	37.5	10.2	22	800	5.9	30	800	1.2	SLB-105K2T437B5AT33
700/850	2	42.5	44	24	37.5	10.2	29	1600	3.9	30	800	1.2	SLB-205K2T437B5AT61
700/850	3	57.5	45	30	52.5	20.3	29	1500	5.0	35	500	1.2	SLB-305K2T452D5AK10
700/850	4	57.5	45	30	52.5	20.3	29	2000	4.2	35	500	1.2	SLB-405K2T452D5AK10
700/850	5	57.5	50	35	52.5	20.3	29	2500	3.9	35	500	1.2	SLB-505K2T452D5AK20
1000	0.15	32	20	11	27.5	\	8	210	14.0	24	1400	0.8	SLB-154K3AB27L5AR10
1000	0.22	32	22	13	27.5	\	9	308	9.9	24	1400	0.8	SLB-224K3AB27L5AR20
1000	0.33	32	28	14	27.5	\	10	462	7.2	26	1400	0.8	SLB-334K3AB27L5AR50
1000	0.47	32	33	18	27.5	\	12	658	5.6	26	1400	0.8	SLB-474K3AB27L5AR80
1000	0.68	32	37	22	27.5	\	14	612	4.4	28	900	0.8	SLB-684K3AB27L5AR94
1000	1	42.5	40	20	37.5	10.2	16	900	5.5	30	900	1.2	SLB-105K3A437B5AT33
1000	1.5	42.5	37	28	37.5	10.2	16	1350	4.2	30	900	1.2	SLB-155K3A437B5AT42
1000	2	42.5	45	30	37.5	20.3	18	1800	3.7	30	900	1.2	SLB-205K3A437D5AT10
1000	2.2	42.5	45	30	37.5	20.3	18	1980	3.6	30	900	1.2	SLB-225K3A437D5AT10
1000	3	57.5	45	30	52.5	20.3	20	1650	4.7	35	550	1.2	SLB-305K3A452D5AK10
1000	4	57.5	50	35	52.5	20.3	22	2200	4.2	35	550	1.2	SLB-405K3A452D5AK20
1000	4.7	57.5	50	35	52.5	20.3	24	2585	3.9	35	550	1.2	SLB-475K3A452D5AK20
1200	0.1	32	20	11	27.5	\	7	160	18.5	24	1600	0.8	SLB-104K3MB27L5AR10
1200	0.15	32	22	13	27.5	\	10	240	12.8	24	1600	0.8	SLB-154K3MB27L5AR20
1200	0.22	32	28	14	27.5	\	12	352	9.2	26	1600	0.8	SLB-224K3MB27L5AR50
1200	0.33	32	33	18	27.5	\	14	528	6.7	26	1600	0.8	SLB-334K3MB27L5AR80
1200	0.47	32	37	22	27.5	\	14	752	5.3	28	1600	0.8	SLB-474K3MB27L5AR94
1200	0.68	42.5	40	20	37.5	10.2	16	680	6.6	30	1000	1.2	SLB-684K3M437B5AT33
1200	1	42.5	40	20	37.5	10.2	18	1000	5.1	30	1000	1.2	SLB-105K3M437B5AT33
1200	1.2	42.5	37	28	37.5	10.2	18	1200	4.4	30	1000	1.2	SLB-125K3M437B5AT42
1200	2	57.5	45	30	52.5	20.3	20	1200	5.5	35	600	1.2	SLB-205K3M452D5AK10
1200	2.2	57.5	45	30	52.5	20.3	20	1320	5.2	35	600	1.2	SLB-225K3M452D5AK10
1200	2.5	57.5	45	30	52.5	20.3	22	1500	4.8	35	600	1.2	SLB-255K3M452D5AK10
1200	3	57.5	50	35	52.5	20.3	22	1800	4.5	35	600	1.2	SLB-305K3M452D5AK20
1200	3.3	57.5	50	35	52.5	20.3	24	1980	4.1	35	600	1.2	SLB-335K3M452D5AK20
1600	0.1	32	22	13	27.5	\	8	190	13.5	24	1900	0.8	SLB-104K3CB27L5AR20
1600	0.15	32	24.5	13	27.5	\	9	285	10.5	24	1900	0.8	SLB-154K3CB27L5AR30
1600	0.18	32	28	14	27.5	\	10	342	9.5	26	1900	0.8	SLB-184K3CB27L5AR50
1600	0.22	32	33	18	27.5	\	12	418	8.0	26	1900	0.8	SLB-224K3CB27L5AR80
1600	0.27	32	33	18	27.5	\	14	513	7.0	26	1900	0.8	SLB-274K3CB27L5AR80
1600	0.33	32	37	22	27.5	\	15	627	6.8	28	1900	0.8	SLB-334K3CB27L5AR94
1600	0.39	32	37	22	27.5	\	15	741	6.5	28	1900	0.8	SLB-394K3CB27L5AR94
1600	0.47	42.5	32	19	37.5	\	16	588	6.0	30	1250	0.8	SLB-474K3CB27L5AT50
1600	0.68	42.5	40	20	37.5	10.2	18	850	5.0	30	1250	1.2	SLB-684K3C437B5AT33
1600	0.82	42.5	44	24	37.5	10.2	18	1025	5.0	30	1250	1.2	SLB-824K3C437B5AT61
1600	1	42.5	45	30	37.5	20.3	19	1250	4.8	30	1250	1.2	SLB-105K3C437D5AT10

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

 EUROTRONIC

Metallized Polypropylene Film Capacitor(Radial Lead) Snubber/Switching Application

吸收电容器

SLB

■ PART NUMBER REFERENCE AND DIMENSIONS

Vdc	Cap	Dimensions					I _{rms} 100KHz 70°C A	Peak Current A	ESR _{Typical}	ESL	dv/dt V/us	Lead	Part Number
	Value	W	H	T	P	P1			100KHz			Wire	
	uF	mm	mm	mm	mm	mm			mΩ			nH	
1600	1.2	42.5	45	30	37.5	20.3	19	1500	4.8	30	1250	1.2	SLB-125K3C437D5AT10
1600	1.5	57.5	45	30	52.5	20.3	20	1125	4.5	35	750	1.2	SLB-155K3C452D5AK10
1600	2	57.5	50	35	52.5	20.3	22	1500	4.2	35	750	1.2	SLB-205K3C452D5AK20
2000	0.033	32	20	11	27.5	\	5	76	42.5	24	2300	0.8	SLB-333K3DB27L5AR10
2000	0.047	32	20	11	27.5	\	6	108	30.5	24	2300	0.8	SLB-473K3DB27L5AR10
2000	0.068	32	22	13	27.5	\	8	156	20.8	24	2300	0.8	SLB-683K3DB27L5AR20
2000	0.1	32	28	14	27.5	\	10	230	15.2	26	2300	0.8	SLB-104K3DB27L5AR50
2000	0.15	32	33	18	27.5	\	15	345	10.8	26	2300	0.8	SLB-154K3DB27L5AR80
2000	0.22	32	33	18	27.5	\	17	506	7.8	26	2300	0.8	SLB-224K3DB27L5AR80
2000	0.33	42.5	40	20	37.5	10.2	16	462	9.4	30	1400	1.2	SLB-334K3D437B5AT33
2000	0.47	42.5	44	24	37.5	10.2	18	658	8.3	30	1400	1.2	SLB-474K3D437B5AT61
2000	0.68	42.5	45	30	37.5	20.3	20	952	5.5	30	1400	1.2	SLB-684K3D437D5AT10
2000	1	57.5	45	30	52.5	20.3	22	850	7.3	35	850	1.2	SLB-105K3D452D5AK10
2000	1.5	57.5	50	35	52.5	20.3	24	1275	5.6	35	850	1.2	SLB-155K3D452D5AK20

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

Metallized Polypropylene Film Capacitor(Lug Terminal) Snubber/Switching Application

SLE

订购基本规格

EXPLANATION OF ARTICLE CODE

SLE-	105	K	2T	S	42	A	6
①	②	③	④	⑤	⑥	⑦	⑧

① Capacitor Type

TYPE	SLE
CODE	SLE-

② Rated Capacitance (EIA Code)

The rated capacitance value of the product is indicated with three digits. The first two digits indicate the two most significant digits of the capacitance value, and the third digit gives the number of following zeroes. This give the capacitance value expressed in picofarads.

Example:

105	=	1,000,000pF	=	1,000nF	=	1uF
106	=	10,000,000pF	=	10,000nF	=	10uF

③ Capacitance Tolerance

TOLERANCE	±5%	±10%	±20%
CODE	J	K	M

④ Rated Voltage

Code for DC Voltage: (expressed in one digit & one letter)

VOLTAGE	800V	850V	1000V	1200V	1600V	2000V
CODE	2K	2T	3A	3M	3C	3D

⑤ Terminal Configuration

TERMINAL	Style S	Style N	Style W	Style U
CODE	S	N	W	U

⑥ Lead Space

LEAD SPACE	42.5	57.5
CODE	42	57

⑦ Terminal (P1 and P2)

P1	23~28	20~26	37~42
P2	11	8	24
CODE	A	B	C

⑧ Terminal (M6 or M8)

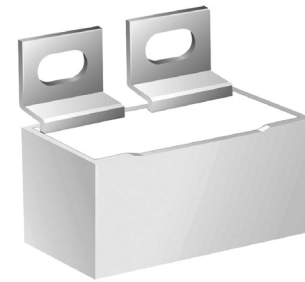
OUTPUT	M6	M8
CODE	6	8

Metallized Polypropylene Film Capacitor(Lug Terminal) Snubber/Switching Application

SLE

吸收电容器

SLE series is constructed with double metallized film and metallized polypropylene film in series winding. Encapsulated in plastic casing and sealed with epoxy resin material. They are suitable for snubber application like IGBT module protection and power semiconductor circuits.



APPLICATION

Energy conversion.

Power semiconductor circuits.

IGBT modules protection.

FEATURES

Low inductive construction.

Low losses dielectric.

Self-healing property.

Suitable for high frequency applications.

SPECIFICATIONS

Reference Standard:	IEC61071
Climatic Category:	40/85/56 IEC60068-1
Operating Temperature Range:	-40°C to +105°C
Rated Voltage:	700Vdc ~ 2000Vdc
Capacitance Range:	0.1uF ~4.0uF
Capacitance Tolerance:	±5% or ±10% at +25°C
Dissipation Factor (DF):	≤ 0.001 (0.1%) at 1kHz at +25°C
Test Voltage Between Terminals:	1.5 x rated voltage for 10s (terminal to terminal)
Test Voltage Terminal to Case:	3.0KVac 50 Hz for 10 sec at +25°C
Insulation Resistance:	IR x C ≥ 50,000 Seconds at 100VDC 1 minute at +25°C
Terminals:	Tinned brass lugs
Life Expectancy:	100,000 hours at Un @ Hot-Spot temperature T=+85°C
Packaging:	Packed in cardboard boxes with protection for the terminals
RoHS Compliant:	Compliant with the restricted substance requirements of Directive 2002/95/EC

PLASTIC CASE DIMENSIONS

Unit: mm

Case Code	W	H	T	Output
	±1	±1	±1	±0.2
P41	42.5	45	30	M6/M8
P33	42.5	40	20	M6/M8
P30	42.5	35.5	33.5	M6/M8
P42	42.5	37	28	M6/M8
P61	42.5	44	24	M6/M8
W10	57.5	45	30	M6/M8
W20	57.5	50	35	M6/M8

Metallized Polypropylene Film Capacitor(Lug Terminal) Snubber/Switching Application

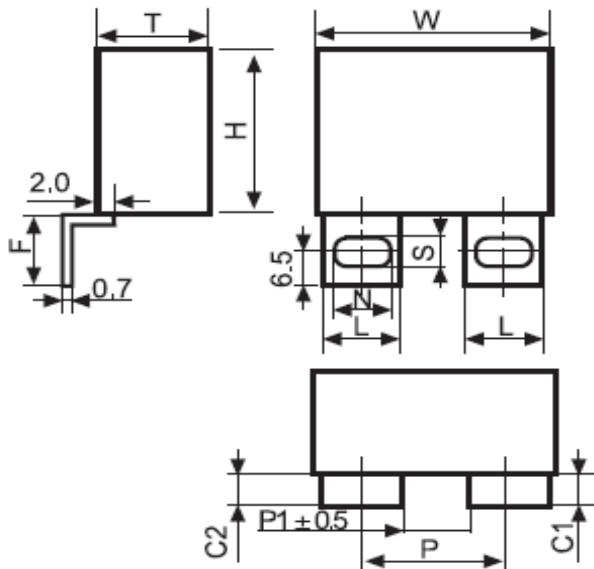
SLE

吸收电容器

OUTLINE DRAWING

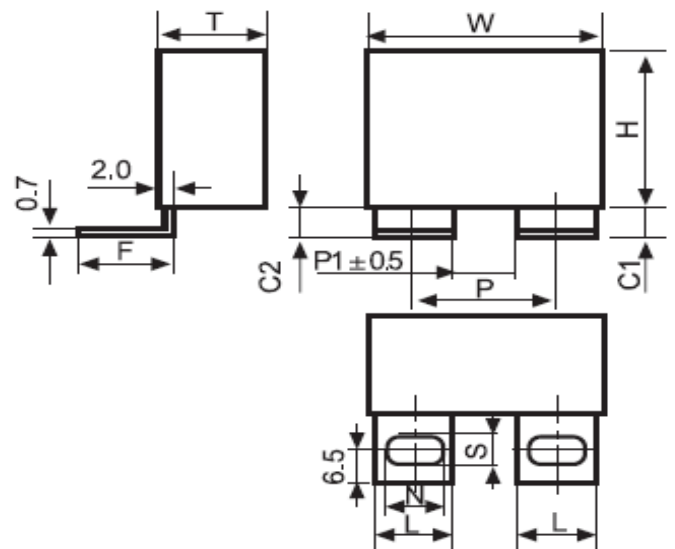
Unit: mm

Style S



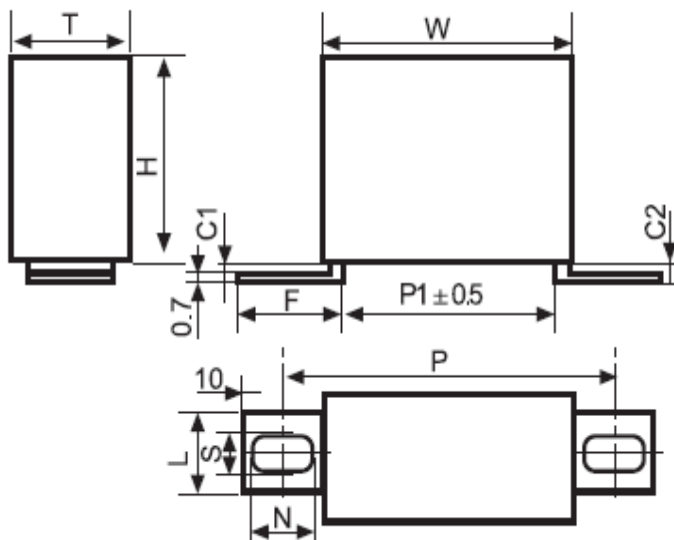
$L \times F \times N \times S = 14.0 \times 16.0 \times 10.2 \times 6.2$

Style N



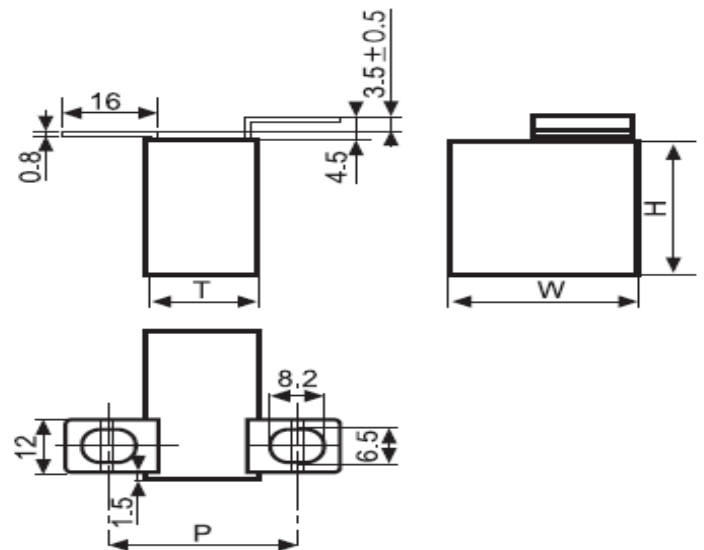
$L \times F \times N \times S = 14.0 \times 16.0 \times 10.2 \times 6.2$

Style W



$L \times F \times N \times S = 14.0 \times 22.0 \times 11.2 \times 6.2$

Style U



Metallized Polypropylene Film Capacitor(Lug Terminal) Snubber/Switching Application

SLE

吸收电容器

PART NUMBER REFERENCE AND DIMENSIONS

vdc	Cap	Dimensions			Irms	Peak	ESR _{Typical}	ESL	dv/dt	Pkg	Part Number
	Value	W	H	T	100KHz	Current	100KHz			Qty	
	uF	mm	mm	mm	A @70°C	A	mΩ @70°C			nH	
700/850	0.47	42.5	40	20	14	357	9.4	40	760	65	SLE-474K2TS42A6AP33
700/850	0.68	42.5	40	20	17	517	6.6	40	760	65	SLE-684K2TS42A6AP33
700/850	1	42.5	40	20	20	760	4.6	40	760	65	SLE-105K2TS42A6AP33
700/850	1.5	42.5	37	28	27	1140	3.1	36	760	45	SLE-155K2TS42A6AP42
700/850	1.5	42.5	35.5	33.5	28	1140	3	36	760	28	SLE-155K2TS42A6AP30
700/850	2	42.5	45	30	34	1520	2.4	43	760	40	SLE-205K2TS42A6AP41
700/850	2.2	42.5	45	30	35	1672	2.2	43	760	40	SLE-225K2TS42A6AP41
700/850	2.5	57.5	45	30	37	1175	2	45	470	20	SLE-255K2TS57C6AW10
700/850	3	57.5	45	30	30	1410	3.5	45	470	20	SLE-305K2TS57C6AW10
700/850	3.3	57.5	45	30	31	1551	3.2	45	470	20	SLE-335K2TS57C6AW10
700/850	4	57.5	50	35	34	1880	2.6	48	470	15	SLE-405K2TS57C6AW20
700/850	5	57.5	50	35	40	2350	2.2	48	470	15	SLE-505K2TS57C6AW20
1000	0.47	42.5	40	20	14	400	8.7	40	850	65	SLE-474K3AS42SLAP33
1000	0.68	42.5	40	20	18	578	6.1	40	850	65	SLE-684K3AS42A6AP33
1000	1	42.5	40	20	20	850	4.3	40	850	65	SLE-105K3AS42A6AP33
1000	1.5	42.5	37	28	28	1275	2.9	36	850	45	SLE-155K3AS42A6AP42
1000	1.5	42.5	35.5	33.5	29	1275	2.8	36	850	28	SLE-155K3AS42A6AP30
1000	2	42.5	45	30	35	1700	2.3	43	850	40	SLE-205K3AS42A6AP41
1000	2.2	57.5	45	30	28	1166	4.4	45	530	20	SLE-225K3AS57C6AW10
1000	2.5	57.5	45	30	29	1325	3.8	45	530	20	SLE-255K3AS57C6AW10
1000	3	57.5	45	30	31	1590	3.2	45	530	20	SLE-305K3AS57C6AW10
1000	3.3	57.5	45	30	32	1749	3	45	530	20	SLE-335K3AS57C6AW10
1000	4	57.5	50	35	38	2120	2.5	48	530	15	SLE-405K3AS57C6AW20
1200	0.33	42.5	40	20	13	330	10.9	40	1000	65	SLE-334K3MS42A6AP33
1200	0.47	42.5	40	20	16	470	7.7	40	1000	65	SLE-474K3MS42A6AP33
1200	0.68	42.5	40	20	19	680	5.4	40	1000	65	SLE-684K3MS42A6AP33
1200	1	42.5	37	28	25	1000	3.8	36	1000	45	SLE-105K3MS42A6AP42
1200	1.2	42.5	37	28	27	1200	3.2	36	1000	45	SLE-125K3MS42A6AP42
1200	1.2	42.5	35.5	33.5	28	1200	3	36	1000	28	SLE-125K3MS42A6AP30
1200	1.5	42.5	45	30	32	1500	2.6	43	1000	40	SLE-155K3MS42A6AP41
1200	2	57.5	45	30	27	1200	4.1	45	600	20	SLE-205K3MS57C6AW10
1200	2.2	57.5	45	30	28	1320	3.8	45	600	20	SLE-225K3MS57C6AW10
1200	2.5	57.5	45	30	30	1500	3.3	45	600	20	SLE-255K3MS57C6AW10
1200	3	57.5	50	35	35	1800	2.9	48	600	15	SLE-305K3MS57C6AW20
1200	3.3	57.5	50	35	38	1980	2.6	48	600	15	SLE-335K3MS57C6AW20
2000	0.1	42.5	40	20	8	140	26.8	40	1400	65	SLE-104K3DS42A6AP33
2000	0.15	42.5	40	20	10	210	17.9	40	1400	65	SLE-154K3DS42A6AP33
2000	0.22	42.5	40	20	12	308	12.3	40	1400	65	SLE-224K3DS42A6AP33
2000	0.33	42.5	40	20	16	462	8.3	40	1400	65	SLE-334K3DS42A6AP33
2000	0.47	42.5	40	20	19	658	5.9	40	1400	65	SLE-474K3DS42A6AP33
2000	0.68	42.5	44	24	24	952	4.1	43	1400	50	SLE-684K3DS42A6AP61
2000	0.68	42.5	35.5	33.5	25	952	4	43	1400	28	SLE-684K3DS42A6AP30
2000	0.82	42.5	45	30	28	1148	3.5	43	1400	40	SLE-824K3DS42A6AP41
2000	1	57.5	45	30	23	900	5.9	45	900	40	SLE-105K3DS57C6AW10
2000	1.2	57.5	45	30	25	1080	4.9	45	900	20	SLE-125K3DS57C6AW10
2000	1.5	57.5	50	35	30	1350	4	48	900	15	SLE-155K3DS57C6AW20

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

Metallized Polypropylene Film Capacitor(Lug Terminal) Snubber/Switching Application

SLE

吸收电容器

■ PERFORMANCE NOTE

Rs: Equivalent series resistance - Ohmic resistances (Ohm)

Dielectric Dissipation Factor: $\tan\delta$ (Polypropylene: 0.0002)

Ta: Ambient temperature

Rth: Thermal resistance °C/W, indicates hot spot temperature rise due to power dissipation losses

Pj: Joule losses $P_j = R_s \cdot I_{rms}^2$

Pd: Dielectric losses

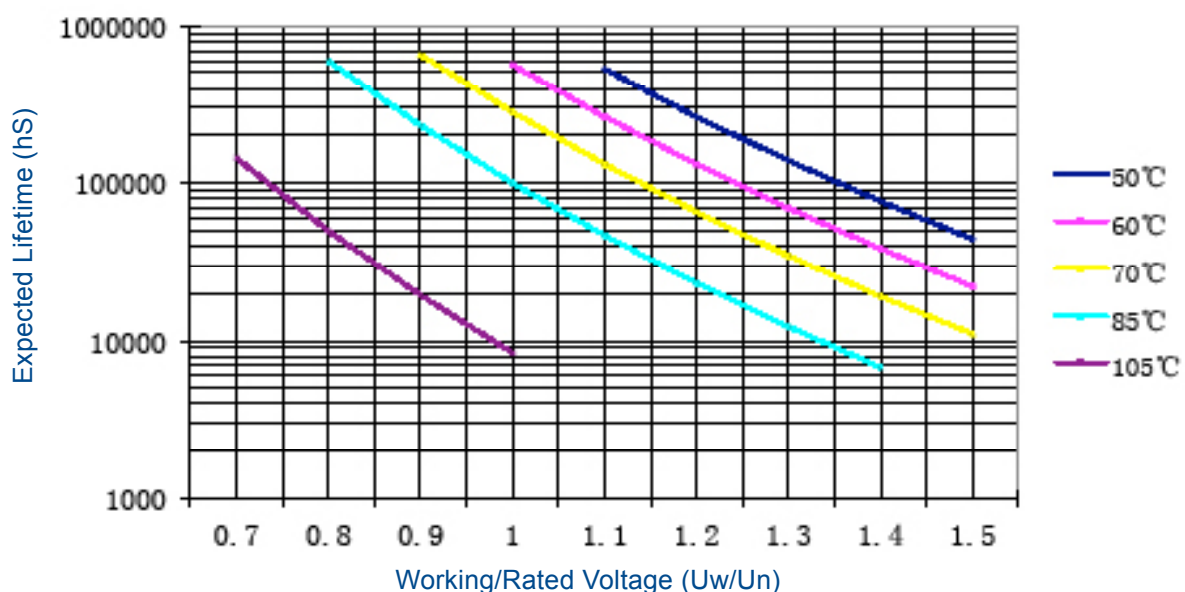
$$P_d = X_c \cdot I_{rms}^2 \cdot \tan\delta = I_{rms}^2 / (2 \cdot \pi \cdot f \cdot C) \cdot \tan\delta$$

Ths: Hot spot temperature within the capacitor

$$Ths = Ta + (P_j + P_d) \cdot R_{th}$$

Design life: 100,000 hours at U_n @ Hot-Spot temperature $\leq +85^\circ\text{C}$

Expected Life Curve



■ CAUTIONS AND WARNING

- Don't exceed the upper category temperature.
- For longtime storage, maximum relative humidity 80%, no dew allowed on the capacitor.
- Do not use or store capacitor in corrosive atmosphere, in the dusty environments regular maintenance and cleaning especially of the terminals is required to avoid conductive path between terminal / or terminal and ground.
- Don't apply any mechanical stress to the capacitor terminals, and avoid any compressive, tensile or flexural stresses.
- Don't move the capacitor after soldered to the PC board, and don't pick up the PC board by soldered capacitor.
- Don't place the capacitor on a PC board whose holes pitch differs from the specified space.
- Avoid overload of the capacitors
- Do not have unlimited service life expectancy, the max service life expectancy may vary depending on the application the capacitor is used in.

Metallized Polypropylene Film Capacitor(Axial Lead) Snubber/Switching Application

SLW

订购基本规格

EXPLANATION OF ARTICLE CODE

SLW -	105	K	3A	A	44	L	L
1	2	3	4	5	6	7	8

1 Capacitor Type

TYPE	SLW
CODE	SLW-

2 Rated Capacitance (EIA Code)

The rated capacitance value of the product is indicated with three digits. The first two digits indicate the two most significant digits of the capacitance value, and the third digit gives the number of following zeroes. This give the capacitance value expressed in picofarads.

Example:

105	=	1,000,000pF	=	1,000nF	=	1uF
106	=	10,000,000pF	=	10,000nF	=	10uF

3 Capacitance Tolerance



TOLERANCE	±5%	±10%	±20%
CODE	J	K	M

4 Rated Voltage

Code for DC Voltage: (expressed in one digit & one letter code)

VOLTAGE	630V	700V	800V	850V	900V	1000V	1100V	1200V	1250V	1500V	1600V	1800V	2000V	2500V	3000V
CODE	2J	2S	2K	2T	2U	3A	3L	3M	3B	3N	3C	3Q	3D	3E	3F

5 Lead Configuration

CODE	A	
LEAD TYPE		

6 Lead Pitch Unit: mm

Lead Pitch	34.0	44.0	57.0
CODE	34	44	57

7 Lead Forming Pitch

Lead Pitch	N/A
CODE	L

8 Lead Length

Lead Pitch	N/A
CODE	L

Metallized Polypropylene Film Capacitor(Axial Lead) Snubber/Switching Application

SLW

轴型吸收电容器

SLW series is constructed with double metallized film and metallized polypropylene film in series winding. Sealed with polyester tape and epoxy resin material. They are suitable for snubber application like IGBT module protection and power semiconductor circuits.



APPLICATION

Energy conversion.

Power semiconductor circuits.

IGBT modules protection.

FEATURES

Low inductive construction.

Low losses dielectric.

Self-healing property.

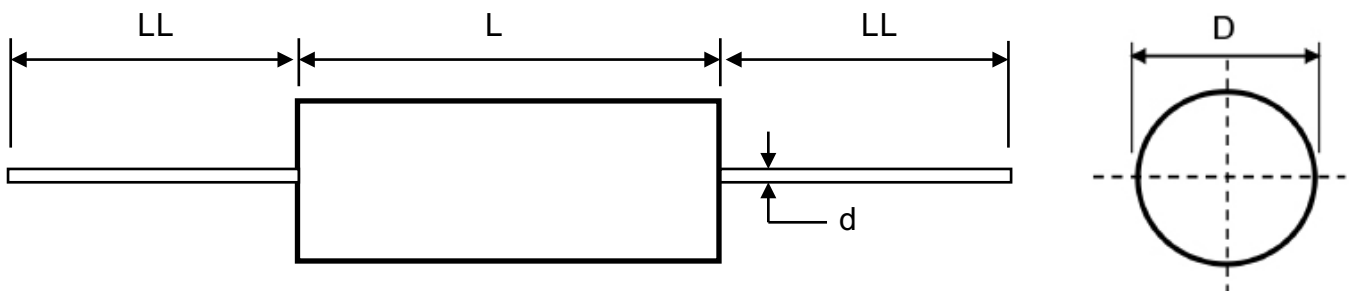
Suitable for high frequency applications.

SPECIFICATIONS

Reference Standard:	IEC61071
Climatic Category:	40/85/56 IEC60068-1
Operating Temperature Range:	-40°C to +105°C
Rated Voltage:	700Vdc ~ 2000Vdc
Capacitance Range:	0.047uF ~4.7uF
Capacitance Tolerance:	±5% or ±10% at +25°C
Dissipation Factor (DF):	≤ 0.001 (0.1%) at 1kHz at +25°C
Test Voltage Between Terminals:	1.5 x rated voltage for 10s (terminal to terminal)
Test Voltage Terminal to Case:	3.0KVac 50 Hz for 10 sec at +25°C
Insulation Resistance:	IR x C≥50,000 Seconds at 100VDC 1 minute at +25°C
Leads:	Tinned copper wires
Life Expectancy:	100,000 hours at Un @ Hot-Spot temperature T=+85°C
Packaging:	Packed in cardboard boxes with protection for the leads
RoHS Compliant:	Compliant with the restricted substance requirements of Directive 2002/95/EC

OUTLINE DRAWING

Unit: mm



Metallized Polypropylene Film Capacitor(Axial Lead) Snubber/Switching Application

SLW

轴型吸收电容器

LEAD WIRE DIMENSIONS

Unit: mm

D (mm) max	L (mm) max	d (mm) ± 0.1	LL (mm) min
11	22	0.8	35
9.5	28	0.8	35
10 ~ 13	34	0.8	35
13.5 ~ 20.5	34	1	35
18 ~ 22.5	44	1	35
23.5 ~ 33	44	1.2	35
15 ~ 27	48	1	35
28 ~ 35	58	1.2	35

PART NUMBER REFERENCE AND DIMENSIONS

Vdc	Cap	Dimensions		Irms	Peak	ESR _{Typical}	ESL	dv/dt	Lead	Part Number
	Value	D	L	100KHz	Current	100KHz			Wire	
	μF	mm max	mm max	A @70°C	A	m Ω @70°C			nH	
700/850	0.22	14.5	34	8	264	9.4	22	1200	1	SLW-224K2TA34LL
700/850	0.22	12	44	7	154	11.3	26	700	0.8	SLW-224K2TA44LL
700/850	0.33	17.5	34	9	396	8.8	22	1200	1	SLW-334K2TA34LL
700/850	0.33	14	44	10	231	8.7	26	700	1	SLW-334K2TA44LL
700/850	0.47	20.5	34	11	564	5.7	22	1200	1	SLW-474K2TA34LL
700/850	0.47	16.5	44	9	329	7.2	26	700	1	SLW-474K2TA44LL
700/850	0.68	19.5	44	13	476	4.6	26	700	1	SLW-684K2TA44LL
700/850	1	23	44	13	700	4.7	26	700	1	SLW-105K2TA44LL
700/850	1.5	28.5	44	13	1050	4.0	26	700	1.2	SLW-155K2TA44LL
700/850	2	32	44	13	1400	4.3	26	700	1.2	SLW-205K2TA44LL
700/850	2.2	33.5	44	14	1540	3.3	26	700	1.2	SLW-225K2TA44LL
700/850	2.2	28.5	58	12	990	4.0	32	450	1.2	SLW-225K2TA58LL
700/850	2.5	35.5	44	15	1750	3.7	26	700	1.2	SLW-255K2TA44LL
700/850	2.5	30	58	15	1125	4.0	32	450	1.2	SLW-255K2TA58LL
700/850	3	32.5	58	15	1350	3.7	32	450	1.2	SLW-305K2TA58LL
700/850	3.3	34	58	15	1485	3.3	32	450	1.2	SLW-335K2TA58LL
700/850	4	37.5	58	15	1800	3.3	32	450	1.2	SLW-405K2TA58LL
700/850	4.7	40	58	15	2115	2.9	32	450	1.2	SLW-475K2TA58LL
1000	0.22	16.5	34	8	286	8.5	22	1300	1	SLW-224K3AA34LL
1000	0.33	20	34	9	429	6.5	22	1300	1	SLW-334K3AA34LL
1000	0.33	16	44	8	264	8.3	26	800	1	SLW-334K3AA44LL
1000	0.47	23.5	34	10	611	5.4	22	1300	1	SLW-474K3AA34LL

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

Metallized Polypropylene Film Capacitor(Axial Lead) Snubber/Switching Application

SLW

轴型吸收电容器

PART NUMBER REFERENCE AND DIMENSIONS

Vdc	Cap	Dimensions		Irms	Peak	ESR _{Typical}	ESL	dv/dt	Lead	Part Number
	Value	D	L	100KHz	Current	100KHz			Wire	
	uF	mm max	mm max	A @70°C	A	mΩ @70°C			nH	
1000	0.47	18.5	44	9	376	6.7	26	800	1	SLW-474K3AA44LL
1000	0.68	22	44	12	544	5.7	26	800	1	SLW-684K3AA44LL
1000	1	26.5	44	12	800	4.6	26	800	1.2	SLW-105K3AA44LL
1000	1.5	32	44	13	1200	5.2	26	800	1.2	SLW-155K3AA44LL
1000	1.5	27	58	12	750	5.6	32	500	1.2	SLW-155K3AA58LL
1000	2	31	58	15	1000	4.3	32	500	1.2	SLW-205K3AA58LL
1000	2.2	32	58	15	1100	3.9	32	500	1.2	SLW-225K3AA58LL
1000	3	37.5	58	15	1500	3.4	32	500	1.2	SLW-305K3AA58LL
1000	3.3	39	58	15	1650	3.1	32	500	1.2	SLW-335K3AA58LL
1200	0.22	18	34	9	330	7.7	22	1500	1	SLW-224K3MA34LL
1200	0.22	14.5	44	8	198	11.0	26	900	1	SLW-224K3MA44LL
1200	0.33	22	34	10	495	6.6	22	1500	1	SLW-334K3MA34LL
1200	0.33	17.5	44	9	297	7.7	26	900	1	SLW-334K3MA44LL
1200	0.47	24	44	10	423	6.8	26	900	1.2	SLW-474K3MA44LL
1200	0.68	26	44	12	612	5.8	26	900	1.2	SLW-684K3MA44LL
1200	1	29	44	11	900	5.0	26	900	1.2	SLW-105K3MA44LL
1200	1	24.5	58	10	550	5.5	32	550	1.2	SLW-105K3MA58LL
1200	1.2	32	44	11	1080	4.4	26	900	1.2	SLW-125K3MA44LL
1200	1.2	26.5	58	10	660	4.8	32	550	1.2	SLW-125K3MA58LL
1200	1.5	35.5	44	14	1350	3.9	26	900	1.2	SLW-155K3MA44LL
1200	1.5	29.5	58	13	825	4.4	32	550	1.2	SLW-155K3MA58LL
1200	2	33	58	15	1100	3.9	32	550	1.2	SLW-205K3MA58LL
1200	2.2	35.5	58	15	1210	3.7	32	550	1.2	SLW-225K3MA58LL
1200	3	41	58	15	1650	3.1	32	550	1.2	SLW-305K3MA58LL
2000	0.047	11	44	5	56.4	30.0	26	1200	0.8	SLW-473K3DA44LL
2000	0.068	16	34	7	136	16.8	22	2000	1	SLW-683K3DA34LL
2000	0.068	13	44	6	81.6	23.3	26	1200	1	SLW-683K3DA44LL
2000	0.1	19	34	10	200	12.0	22	2000	1	SLW-104K3DA34LL
2000	0.1	15.5	44	9	120	17.7	26	1200	1	SLW-104K3DA44LL
2000	0.15	18.5	44	12	180	9.5	26	1200	1	SLW-154K3DA44LL
2000	0.22	21.5	44	13	264	8.6	26	1200	1	SLW-224K3DA44LL
2000	0.33	26.5	44	14	396	6.7	26	1200	1.2	SLW-334K3DA44LL
2000	0.47	32	44	14	564	5.6	26	1200	1.2	SLW-474K3DA44LL
2000	0.56	34.5	44	15	672	5.2	26	1200	1.2	SLW-564K3DA44LL
2000	0.56	29	58	15	392	6.5	32	700	1.2	SLW-564K3DA58LL
2000	0.68	31	58	15	476	5.7	32	700	1.2	SLW-684K3DA58LL
2000	1	37.5	58	15	700	4.7	32	700	1.2	SLW-105K3DA58LL
2000	1.2	40.5	58	15	840	4.3	32	700	1.2	SLW-125K3DA58LL

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

DC-Link Capacitor

Series	Capacitance	Rated Voltage	Application	Page
DPB	1.0uF ~ 110uF	450Vdc ~ 1200Vdc	Energy Storage DC-Link and Filtering Circuits UPS Systems & Solar Inverter	71
DPBG (THB)	1.0uF ~ 110uF	450Vdc ~ 1200Vdc	Energy Storage DC-Link and Filtering Circuits UPS Systems & Solar Inverter	78
DPG	50uF ~ 280uF	500Vdc ~ 1100Vdc	Energy Storage DC-Link and Filtering Circuits Electric Vehicle & Solar Inverter	85
DPM	170uF ~ 2200uF	600Vdc ~ 1300Vdc	Energy Storage DC-Link and Filtering Circuits Windmill & Solar Inverter	89
DPV	300uF ~ 1800uF	450Vdc ~ 900Vdc	Energy Storage DC-Link and Filtering Circuits Electric Vehicle & Hybrid Electric Vehicle	96
DPS	1000uF ~ 20000uF	450Vdc ~ 3000Vdc	Energy Storage DC-Link and Filtering Circuits Windmill & Solar Inverter	107

Metallized Polypropylene Film Capacitor(Radial Lead) DC-Link Application

DPB/DPBG

订购基本规格

EXPLANATION OF ARTICLE CODE

DPB -	406	K	2S	4	52	D	5
①	②	③	④	⑤	⑥	⑦	⑧

① Capacitor Type

TYPE	DPB	DPBG
CODE	DPB-	DPBG

② Rated Capacitance (EIA Code)

The rated capacitance value of the product is indicated with three digits. The first two digits indicate the two most significant digits of the capacitance value, and the third digit gives the number of following zeroes. This give the capacitance value expressed in picofarads.

Example:

105	=	1,000,000pF	=	1,000nF	=	1uF
106	=	10,000,000pF	=	10,000nF	=	10uF

③ Capacitance Tolerance

TOLERANCE	±5%	±10%	±20%
CODE	J	K	M

④ Rated Voltage

Code for DC Voltage: (expressed in one digit & one letter code)

VOLTAGE	550V	600V	630V	700V	800V	850V	900V	1000V	1100V	1200V
CODE	2Y	2R	2J	2S	2K	2T	2U	3A	3L	3M

⑤ Lead Configuration

LEAD TYPE	2 Lead		4 Lead
	Long	Cut	Cut
CODE	L	B	4

⑥ Lead Pitch(P) Unit: mm

Lead Pitch	27.5	37.5	52.5
CODE	27	37	52

⑦ Lead Pitch(P1) Unit: mm

Lead Pitch	5.1	10.2	12.7	16.0	20.3	0.0
CODE	A	B	G	C	D	L

⑧ Lead Length

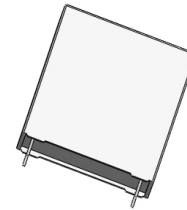
TYPE	Long	Cut
LENGTH	15mm(min)	5.0
CODE	L	5

Metallized Polypropylene Film Capacitor(Radial Lead) DC-Link Application

DPB

直流滤波电容器

DPB series is constructed with metallized polypropylene film, rectangular plastic casing sealed with epoxy resin. They are suitable for use in DC filter circuits, Solar Inverter, Industrial Inverter and available with 2 or 4 pins.



APPLICATION

DC link applications.
DC filtering circuits.
Frequency converter.
Solar inverter and industrial power supply.

FEATURES

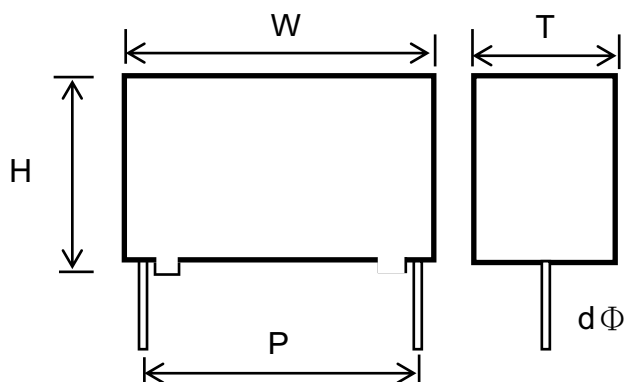
High ripple current.
Self-healing properties.
High capacitance density.
Suitable for high frequency applications.

SPECIFICATIONS

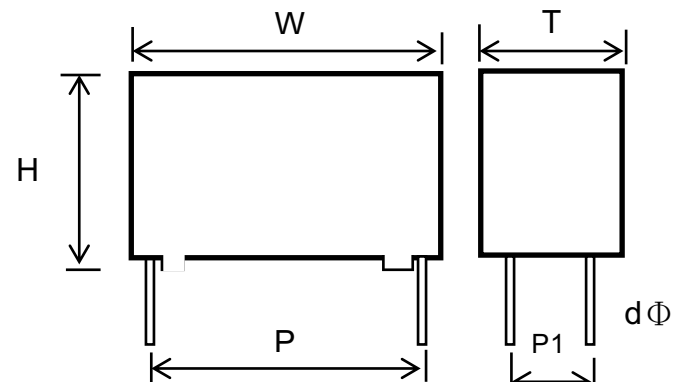
Reference Standard:	IEC61071
Climatic Category:	40/85/21 IEC60068-1
Operating Temperature Range:	-40°C to +105°C
Rated Voltage:	450Vdc ~ 1200Vdc
Capacitance Range:	1.0uF ~110uF
Capacitance Tolerance:	±5% or ±10% at +25°C
Dissipation Factor (DF):	≤ 0.001 (0.1%) at 1kHz at +25°C
Test Voltage Between Terminals:	1.5 x rated voltage for 10s (terminal to terminal)
Test Voltage Terminal to Case:	3.0kVac 50 Hz for 10 sec at +25°C
Insulation Resistance:	IR x C ≥ 30,000 Seconds at 100VDC 1 minute at +25°C
Life Expectancy:	100,000 hours at Un @ Hot-Spot temperature T=+85°C
Leads:	Tinned copper wires, standard lead wire length 5 ± 1mm
Packaging:	Packed in cardboard boxes with protection for the leads
RoHS Compliant:	Compliant with the restricted substance requirements of Directive 2002/95/EC

OUTLINE DRAWING

Unit: mm



Tinned copper wire (2 leads)



Tinned copper wire (4 leads)

Metallized Polypropylene Film Capacitor(Radial Lead) DC-Link Application

DPB

直流滤波电容器

LEAD WIRES AND DIMENSIONS

Unit: mm

Number of wires	Lead spacing	Lead diameter
	$P \pm 0.5$	$d\Phi \pm 0.1$
	mm	mm
2 - pin	27.5	0.8
2 - pin	37.5	1.0
4 - pin	37.5	1.2
4 - pin	52.5	1.2

PLASTIC CASE DIMENSIONS

Unit: mm

Case Code	W	H	T	P
	± 1	± 1	± 1	± 0.5
R10	32	20	11	27.5
R20	32	22	13	27.5
R31	32	24.5	15	27.5
R50	32	28	14	27.5
R60	32	28	18	27.5
R80	32	33	18	27.5
R94	32	37	22	27.5
T10	42.5	45	30	37.5
T23	42.5	33.5	22	37.5
T33	42.5	40	20	37.5
T42	42.5	37	28	37.5
T40	42.5	43	28	37.5
T60	42.5	18	24	37.5
T61	42.5	44	24	37.5
T90	42.5	50	35	37.5
K10	57.5	45	30	52.5
K20	57.5	50	35	52.5
K23	57.5	60	35	52.5
K30	57.5	55	45	52.5
K40	57.5	53	50	52.5

Metallized Polypropylene Film Capacitor(Radial Lead) DC-Link Application

DPB

直流滤波电容器

PART NUMBER REFERENCE AND DIMENSIONS

Vdc	Cap	Dimensions					Irms 10KHz A @70°C	Peak Current A	ESR 10KHz mΩ	ESL nH	Thermal Res °C/W	dv/dt V/us	Lead Wire mm	Part Number
	Value uF	W mm	H mm	T mm	P mm	P1 mm								
450	5	32	20	11	27.5	\	5	250	15.0	25	47.1	50	0.8	DPB-505K2WB27L5AR10
450	10	32	28	14	27.5	\	7.5	500	8.5	25	23.7	50	0.8	DPB-106K2WB27L5AR50
450	18	32	37	22	27.5	\	11	900	6.0	28	13.8	50	0.8	DPB-186K2WB27L5AR94
450	20	32	37	22	27.5	\	12.5	1000	5.0	28	12.8	50	0.8	DPB-206K2WB27L5AR94
450	22	32	37	22	27.5	\	12.5	1100	5.0	28	12.8	50	0.8	DPB-226K2WB27L5AR94
450	30	42.5	40	20	37.5	10.2	12	900	6.0	30	11.6	30	1.2	DPB-306K2W437B5AT33
450	40	42.5	37	28	37.5	10.2	14	1200	5.5	30	9.3	30	1.2	DPB-406K2W437B5AT42
450	50	42.5	45	30	37.5	20.3	15	1500	4.0	30	11.1	30	1.2	DPB-506K2W437D5AT10
450	60	42.5	45	30	37.5	20.3	16.5	1800	4.0	30	9.2	30	1.2	DPB-606K2W437D5AT10
450	80	57.5	45	30	52.5	20.3	16	1200	4.0	35	7.4	15	1.2	DPB-806K2W452D5AK10
450	100	57.5	50	35	52.5	20.3	18	1500	3.8	35	6.2	15	1.2	DPB-107K2W452D5AK20
550	3	32	20	11	27.5	\	4	150	28.0	25	22.3	50	0.8	DPB-305K2YB27L5AR20
550	5	32	22	13	27.5	\	6	250	14.0	25	16.8	50	0.8	DPB-505K2YB27L5AR20
550	8	32	28	14	27.5	\	8.5	400	12.5	25	12.6	50	0.8	DPB-805K2YB27L5AR50
550	10	32	33	18	27.5	\	10	500	8.0	25	12.5	50	0.8	DPB-106K2YB27L5AR80
550	15	32	37	22	27.5	\	13	750	6.5	28	9.1	50	0.8	DPB-156K2YB27L5AR94
550	15	32	37	22	27.5	10.2	15	750	5.5	28	8.1	50	1.2	DPB-156K2Y427B5AR94
550	20	42.5	40	20	37.5	10.2	12.5	600	6.5	30	9.8	30	1.2	DPB-206K2Y437B5AT33
550	22	42.5	40	20	37.5	10.2	13.5	660	6.5	30	8.4	30	1.2	DPB-226K2Y437B5AT33
550	25	42.5	40	20	37.5	10.2	14.5	750	6.5	30	7.3	30	1.2	DPB-256K2Y437B5AT33
550	30	42.5	44	24	37.5	10.2	16	900	6.0	30	6.5	30	1.2	DPB-306K2Y437B5AT61
550	35	42.5	45	30	37.5	20.3	18	1050	6.0	30	5.1	30	1.2	DPB-356K2Y437D5AT10
550	40	42.5	45	30	37.5	20.3	18	1200	5.5	30	5.1	30	1.2	DPB-406K2Y437D5AT10
550	50	42.5	50	35	37.5	20.3	20	1500	5.0	30	5.0	30	1.2	DPB-506K2Y437D5AT90
550	60	57.5	45	30	37.5	20.3	18	900	4.8	35	6.2	15	1.2	DPB-606K2Y452D5AK10
550	75	57.5	50	35	52.5	20.3	20	1125	5.0	35	5.0	15	1.2	DPB-756K2Y452D5AK20
550	100	57.5	55	45	52.5	20.3	24	1500	4.5	35	3.9	15	1.2	DPB-107K2Y452D5AK30
550	110	57.5	53	50	52.5	20.3	26	1650	4.0	35	3.7	15	1.2	DPB-117K2Y452D5AK40
600	3	32	20	11	27.5	\	4	150	28.0	25	22.3	50	0.8	DPB-305K2RB27L5AR10
600	4	32	20	11	27.5	\	5	200	26.0	25	14.3	50	0.8	DPB-405K2RB27L5AR10
600	5	32	28	14	27.5	\	6	250	14.5	25	26.5	50	0.8	DPB-505K2RB27L5AR50
600	8	32	28	14	27.5	\	7.5	400	12.0	25	17.8	50	0.8	DPB-805K2RB27L5AR50
600	10	32	33	18	27.5	\	8.5	500	7.5	25	19.8	50	0.8	DPB-106K2RB27L5AR80
600	12	32	33	18	27.5	\	9.5	600	7.5	25	15.8	50	0.8	DPB-126K2RB27L5AR80
600	15	32	37	22	27.5	\	10.5	750	7.5	28	12.1	50	0.8	DPB-156K2RB27L5AR94
600	20	42.5	40	20	37.5	10.2	11	600	6.0	30	13.8	30	1.2	DPB-206K2R437B5AT33
600	30	42.5	37	28	37.5	10.2	13	900	5.5	30	10.8	30	1.2	DPB-306K2R437B5AT42
600	40	42.5	45	30	37.5	20.3	18	1200	4.0	30	7.7	30	1.2	DPB-406K2R437D5AT10
600	50	57.5	50	35	52.5	20.3	14	750	6.5	35	7.8	15	1.2	DPB-506K2R452D5AK20
600	60	57.5	50	35	52.5	20.3	16	900	5.0	35	7.8	15	1.2	DPB-606K2R452D5AK20
600	70	57.5	50	35	52.5	20.3	18	1050	5.0	35	6.2	15	1.2	DPB-706K2R452D5AK20
600	80	57.5	55	45	52.5	20.3	20	1200	4.0	35	6.3	15	1.2	DPB-806K2R452D5AK30
600	90	57.5	55	45	52.5	20.3	24	1350	4.0	35	4.3	15	1.2	DPB-906K2R452D5AK30
600	100	57.5	53	50	52.5	20.3	26	1500	4.0	35	3.7	15	1.2	DPB-107K2R452D5AK40
600	110	57.5	53	50	52.5	20.3	28	1650	3.5	35	3.6	15	1.2	DPB-117K2R452D5AK40
700	3	32	20	11	27.5	\	4.5	150	28.0	25	47.0	50	0.8	DPB-305K2SB27L5AR10
700	3.3	32	28	14	27.5	\	5.5	165	26.0	25	31.5	50	0.8	DPB-335K2SB27L5AR50
700	5	32	28	14	27.5	\	6	250	14.0	25	26.5	50	0.8	DPB-505K2SB27L5AR50
700	8	32	33	18	27.5	\	9	400	10.0	25	12.3	50	0.8	DPB-805K2SB27L5AR80
700	10	32	33	18	27.5	\	10	500	7.0	25	14.3	50	0.8	DPB-106K2SB27L5AR80

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

Metallized Polypropylene Film Capacitor(Radial Lead) DC-Link Application

DPB

直流滤波电容器

PART NUMBER REFERENCE AND DIMENSIONS

Vdc	Cap	Dimensions					Irms 10KHz A @70°C	Peak Current A	ESR 10KHz mΩ	ESL nH	Thermal Res °C/W	dv/dt V/us	Lead Wire mm	Part Number
	Value	W	H	T	P	P1								
	uF	mm	mm	mm	mm	mm								
700	10	32	37	22	27.5	\	12	500	6.5	28	10.7	50	0.8	DPB-106K2SB27L5AR94
700	10	42.5	18	24	37.5	\	11.5	300	7.5	30	10.1	30	1.0	DPB-106K2SB37L5AT60
700	15	42.5	33.5	22	37.5	\	9	450	9.0	30	13.7	30	1.0	DPB-156K2SB37L5AT23
700	15	42.5	33.5	22	37.5	10.2	10	450	8.0	30	12.5	30	1.2	DPB-156K2S437B5AT23
700	15	42.5	40	20	37.5	10.2	10	450	8.0	30	12.5	30	1.2	DPB-156K2S437B5AT33
700	20	42.5	37	28	37.5	10.2	12	600	7.5	30	11.6	30	1.2	DPB-206K2S437B5AT42
700	22	42.5	44	24	37.5	10.2	14	660	6.5	30	9.3	30	1.2	DPB-226K2S437B5AT61
700	25	42.5	44	24	37.5	10.2	16	750	6.0	30	7.8	30	1.2	DPB-256K2S437B5AT61
700	30	42.5	45	30	37.5	20.3	16	900	5.8	30	8.7	30	1.2	DPB-306K2S437D5AT10
700	35	42.5	50	35	37.5	20.3	20	1050	5.5	30	6.3	30	1.2	DPB-356K2S437D5AT90
700	40	57.5	45	30	52.5	20.3	14	600	5.0	35	8.5	15	1.2	DPB-406K2S452D5AK10
700	45	57.5	45	30	52.5	20.3	15.5	675	5.0	35	7.6	15	1.2	DPB-456K2S452D5AK10
700	50	57.5	50	35	52.5	20.3	15	750	4.8	35	8.1	15	1.2	DPB-506K2S452D5AK20
700	55	57.5	50	35	52.5	20.3	16	825	4.5	35	8.7	15	1.2	DPB-556K2S452D5AK20
700	60	57.5	50	35	52.5	20.3	18	900	4.0	35	7.7	15	1.2	DPB-606K2S452D5AK20
700	65	57.5	55	45	52.5	20.3	20	975	4.0	35	6.3	15	1.2	DPB-656K2S452D5AK30
700	70	57.5	55	45	52.5	20.3	20	1050	3.8	35	6.3	15	1.2	DPB-706K2S452D5AK30
700	75	57.5	55	45	52.5	20.3	20	1125	3.8	35	6.3	15	1.2	DPB-756K2S452D5AK30
700	80	57.5	53	50	52.5	20.3	22	1200	3.5	35	5.9	15	1.2	DPB-806K2S452D5AK40
700	90	57.5	53	50	52.5	20.3	24	1350	3.5	35	5.0	15	1.2	DPB-906K2S452D5AK40
800	3.3	32	28	14	27.5	\	4	165	25.0	25	32.1	50	0.8	DPB-335K2KB27L5AR50
800	5	32	28	14	27.5	\	6	250	12.0	25	26.5	50	0.8	DPB-505K2KB27L5AR50
800	9	32	33	18	27.5	\	10	198	10.5	25	9.1	22	0.8	DPB-905K2KB27L5AR80
800	10	32	37	22	27.5	\	11.5	220	9.5	28	8.0	22	0.8	DPB-106K2KB27L5AR94
800	15	42.5	40	20	37.5	10.2	10	450	8.0	30	12.5	30	1.2	DPB-156K2K437B5AT33
800	20	42.5	37	28	37.5	10.2	12	600	7.0	30	11.6	30	1.2	DPB-206K2K437B5AT42
800	22	42.5	44	24	37.5	10.2	14	660	6.0	30	9.3	30	1.2	DPB-226K2K437B5AT61
800	25	42.5	45	30	37.5	20.3	14	425	5.5	30	7.5	17	1.2	DPB-256K2K437D5AT10
800	30	42.5	45	30	37.5	20.3	16	900	4.5	30	8.7	30	1.2	DPB-306K2K437D5AT10
800	35	57.5	45	30	52.5	20.3	14.2	420	6.5	35	7.6	12	1.2	DPB-356K2K452D5AK10
800	40	57.5	45	30	52.5	20.3	14	600	6.0	35	8.5	15	1.2	DPB-406K2K452D5AK10
800	45	57.5	45	30	52.5	20.3	15.5	675	5.5	35	7.6	15	1.2	DPB-456K2K452D5AK10
800	47	57.5	50	35	52.5	20.3	17.5	564	5.0	35	6.5	12	1.2	DPB-476K2K452D5AK20
800	50	57.5	50	35	52.5	20.3	16	600	5.0	35	7.8	12	1.2	DPB-506K2K452D5AK20
800	55	57.5	50	35	52.5	20.3	17	660	4.6	35	6.9	12	1.2	DPB-556K2K452D5AK20
800	65	57.5	60	35	52.5	20.3	19	780	4.0	35	7.3	12	1.2	DPB-656K2K452D5AK23
800	65	57.5	55	45	52.5	20.3	20	975	4.0	35	6.3	15	1.2	DPB-656K2K452D5AK30
800	70	57.5	55	45	52.5	20.3	20	1050	3.8	35	6.3	15	1.2	DPB-706K2K452D5AK30
800	75	57.5	55	45	52.5	20.3	20	1125	3.8	35	6.3	15	1.2	DPB-756K2K452D5AK30
800	80	57.5	53	50	52.5	20.3	22	1200	3.5	35	5.9	15	1.2	DPB-806K2K452D5AK40
800	90	57.5	53	50	52.5	20.3	24	1350	3.5	35	5.0	15	1.2	DPB-906K2K452D5AK40
900	2	32	20	11	27.5	\	3	120	25.0	25	44.4	60	0.8	DPB-205K2UB27L5AR10
900	3	32	22	13	27.5	\	5	180	18.5	25	21.6	60	0.8	DPB-305K2UB27L5AR20
900	3.3	32	24.5	15	27.5	\	5	198	18.5	25	21.6	60	0.8	DPB-335K2UB27L5AR31
900	5	32	28	18	27.5	\	7	300	12.5	25	16.3	60	0.8	DPB-505K2UB27L5AR60
900	6	32	33	18	27.5	\	8	360	11.0	25	14.2	60	0.8	DPB-605K2UB27L5AR80
900	8	32	37	22	27.5	\	10.5	480	10.0	28	9.1	60	0.8	DPB-805K2UB27L5AR94
900	10	32	37	22	27.5	\	12	600	10.0	28	6.9	60	0.8	DPB-106K2UB27L5AR94
900	10	42.5	40	20	37.5	\	8.5	350	12.0	30	11.5	35	1.0	DPB-106K2UB37L5AT33
900	10	42.5	40	20	37.5	10.2	9.5	350	11.5	30	9.6	35	1.2	DPB-106K2U437B5AT33

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

Metallized Polypropylene Film Capacitor(Radial Lead) DC-Link Application

DPB

直流滤波电容器

PART NUMBER REFERENCE AND DIMENSIONS

Vdc	Cap	Dimensions					P1	Irms	Peak	ESR	ESL	Thermal	dv/dt	Lead	Part Number
	Value	W	H	T	P	10KHz		Current	10KHz	Res		Wire			
	uF	mm	mm	mm	mm	A @70°C		A	mΩ	nH		°C/W		V/us	
900	15	42.5	44	24	37.5	\	10.5	525	8.0	30	11.3	35	1.0	DPB-156K2UB37L5AT61	
900	15	42.5	44	24	37.5	10.2	12	525	7.5	30	9.3	35	1.2	DPB-156K2U437B5AT61	
900	18	42.5	44	24	37.5	\	10.5	630	8.0	30	11.3	35	1.0	DPB-186K2UB37L5AT61	
900	18	42.5	44	24	37.5	10.2	12	630	7.5	30	9.3	35	1.2	DPB-186K2U437B5AT61	
900	20	42.5	45	30	37.5	\	14	700	6.0	30	8.5	35	1.0	DPB-206K2UB37L5AT10	
900	20	42.5	45	30	37.5	20.3	15	700	5.5	30	8.1	35	1.2	DPB-206K2U437D5AT10	
900	25	42.5	45	30	37.5	20.3	17	875	5.5	30	6.3	35	1.2	DPB-256K2U437D5AT10	
900	30	42.5	50	35	37.5	20.3	19	1050	5.0	30	5.5	35	1.2	DPB-306K2U437D5AT90	
900	30	57.5	45	30	52.5	20.3	15	450	5.5	35	8.1	15	1.2	DPB-306K2U452D5AK10	
900	35	57.5	50	35	52.5	20.3	15.5	525	5.5	35	7.6	15	1.2	DPB-356K2U452D5AK20	
900	40	57.5	50	35	52.5	20.3	16	600	6.5	35	6.0	15	1.2	DPB-406K2U452D5AK20	
900	50	57.5	50	35	52.5	20.3	18	750	3.6	35	8.6	15	1.2	DPB-506K2U452D5AK20	
900	55	57.5	60	35	52.5	20.3	19	825	3.5	35	7.9	15	1.2	DPB-556K2U452D5AK23	
900	55	57.5	55	45	52.5	20.3	20	825	3.4	35	7.4	15	1.2	DPB-556K2U452D5AK30	
900	60	57.5	55	45	52.5	20.3	20	900	3.4	35	7.4	15	1.2	DPB-606K2U452D5AK30	
900	70	57.5	53	50	52.5	20.3	20	1050	3.2	35	7.8	15	1.2	DPB-706K2U452D5AK40	
1000	2	32	22	13	27.5	\	3.5	120	30.0	25	27.2	60	0.8	DPB-205K3AB27L5AR20	
1000	3	32	24.5	15	27.5	\	5	180	25.0	25	16.0	60	0.8	DPB-305K3AB27L5AR31	
1000	5	32	33	18	27.5	\	8	300	14.0	25	11.2	60	0.8	DPB-505K3AB27L5AR80	
1000	8	32	37	22	27.5	\	10	480	12.0	28	8.3	60	0.8	DPB-805K3AB27L5AR94	
1000	10	42.5	40	20	37.5	\	8.5	350	12.0	30	11.5	35	1.0	DPB-106K3AB37L5AT33	
1000	10	42.5	40	20	37.5	10.2	9.5	350	11.5	30	9.6	35	1.2	DPB-106K3A437B5AT33	
1000	12	42.5	44	24	37.5	10.2	10.5	420	9.0	30	10.1	35	1.2	DPB-126K3A437B5AT61	
1000	15	42.5	44	24	37.5	\	10.5	525	8.0	30	11.3	35	1.0	DPB-156K3AB37L5AT61	
1000	15	42.5	44	24	37.5	10.2	12	525	7.5	30	9.3	35	1.2	DPB-156K3A437B5AT61	
1000	15	42.5	45	30	37.5	20.3	14	525	7.5	30	6.8	35	1.2	DPB-156K3A437D5AT10	
1000	20	42.5	45	30	37.5	20.3	15	700	6.5	30	6.8	35	1.2	DPB-206K3A437D5AT10	
1000	25	42.5	50	35	37.5	20.3	18	875	5.5	30	5.6	35	1.2	DPB-256K3A437D5AT90	
1000	30	57.5	45	30	52.5	20.3	15	450	5.5	35	8.1	15	1.2	DPB-306K3A452D5AK10	
1000	35	57.5	50	35	52.5	20.3	16	525	5.5	35	7.1	15	1.2	DPB-356K3A452D5AK20	
1000	40	57.5	50	35	52.5	20.3	16	600	5.0	35	7.8	15	1.2	DPB-406K3A452D5AK20	
1000	50	57.5	55	45	52.5	20.3	19	750	4.5	35	6.2	15	1.2	DPB-506K3A452D5AK30	
1000	60	57.5	53	50	52.5	20.3	22	900	4.0	35	5.2	15	1.2	DPB-606K3A452D5AK40	
1100	1	32	20	11	27.5	\	2.5	70	45.0	25	35.6	70	0.8	DPB-105K3LB27L5AR10	
1100	1.5	32	22	13	27.5	\	3.5	105	30.0	25	27.2	70	0.8	DPB-155K3LB27L5AR20	
1100	2	32	24.5	15	27.5	\	4	140	25.0	25	25.0	70	0.8	DPB-205K3LB27L5AR31	
1100	2.2	32	28	14	27.5	\	5	154	16.5	25	24.2	70	0.8	DPB-225K3LB27L5AR50	
1100	3.3	32	28	18	27.5	\	6.5	231	11.5	25	20.6	70	0.8	DPB-335K3LB27L5AR60	
1100	4	32	33	18	27.5	\	8	280	10.5	25	14.9	70	0.8	DPB-405K3LB27L5AR80	
1100	5	32	37	22	27.5	\	8.5	350	9.5	28	14.6	70	0.8	DPB-505K3LB27L5AR94	
1100	6.8	42.5	33.5	22	37.5	10.2	12	272	13.5	30	5.1	40	1.2	DPB-685K3L437B5AT23	
1100	8	42.5	40	20	37.5	\	10.5	320	14.0	30	6.5	40	1.0	DPB-805K3LB37L5AT33	
1100	8	42.5	40	20	37.5	10.2	12.5	320	12.5	30	5.1	40	1.2	DPB-805K3L437B5AT33	
1100	10	42.5	44	24	37.5	\	14	400	9.0	30	5.7	40	1.0	DPB-106K3LB37L5AT61	
1100	10	42.5	44	24	37.5	10.2	15	400	8.5	30	5.2	40	1.2	DPB-106K3L437B5AT61	
1100	12	42.5	45	30	37.5	20.3	15.5	480	7.5	30	5.5	40	1.2	DPB-126K3L437D5AT10	
1100	18	42.5	50	35	37.5	20.3	15.5	720	7.5	30	5.5	40	1.2	DPB-186K3L437D5AT90	
1100	20	57.5	45	30	52.5	20.3	12	400	8.5	35	8.2	20	1.2	DPB-206K3L452D5AK10	
1100	30	57.5	50	35	52.5	20.3	15	600	5.0	35	8.9	20	1.2	DPB-306K3L452D5AK20	
1100	40	57.5	55	45	52.5	20.3	17	800	5.5	35	6.3	20	1.2	DPB-406K3L452D5AK30	

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

Metallized Polypropylene Film Capacitor(Radial Lead) DC-Link Application

DPB

直流滤波电容器

PART NUMBER REFERENCE AND DIMENSIONS

Vdc	Cap	Dimensions					Irms 10KHz A @70°C	Peak Current A	ESR 10KHz mΩ	ESL nH	Thermal Res °C/W	dv/dt V/us	Lead	Part Number
	Value	W	H	T	P	P1							Wire	
	uF	mm	mm	mm	mm	mm							mm	
1100	50	57.5	53	50	52.5	20.3	20	1000	4.5	35	5.6	20	1.2	DPB-506K3L452D5AK40
1200	1	32	20	11	27.5	\	4.5	80	32.5	25	15.2	80	0.8	DPB-105K3MB27L5AR10
1200	2	32	24.5	15	27.5	\	5	160	32.5	25	12.3	80	0.8	DPB-205K3MB27L5AR31
1200	2.2	32	28	18	27.5	\	5.5	176	17.0	25	19.4	80	0.8	DPB-225K3MB27L5AR60
1200	3	32	28	18	27.5	\	7	240	16.0	25	12.8	80	0.8	DPB-305K3MB27L5AR60
1200	3.3	32	33	18	27.5	\	8	264	13.5	25	11.6	80	0.8	DPB-335K3MB27L5AR80
1200	5	32	37	22	27.5	\	10	400	12.0	28	8.3	80	0.8	DPB-505K3MB27L5AR94
1200	5	42.5	33.5	22	37.5	\	7.5	225	15.5	30	11.5	45	1.0	DPB-505K3MB37L5AT23
1200	6	42.5	40	20	37.5	\	7.5	270	15.5	30	11.5	45	1	DPB-605K3MB37L5AT33
1200	8	42.5	44	24	37.5	10.2	9	360	12.5	30	9.9	45	1.2	DPB-805K3M437B5AT61
1200	10	42.5	44	24	37.5	10.2	10	450	10.5	30	9.5	45	1.2	DPB-106K3M437B5AT61
1200	10	42.5	45	30	37.5	20.3	12	450	8.0	30	8.7	45	1.2	DPB-106K3M437D5AT10
1200	15	42.5	50	35	37.5	20.3	15	675	6.5	30	6.8	45	1.2	DPB-156K3M437D5AT90
1200	20	57.5	45	30	52.5	20.3	13	500	8.5	35	9.7	25	1.2	DPB-206K3M452D5AK10
1200	25	57.5	50	35	52.5	20.3	15	625	6.5	35	9.1	25	1.2	DPB-256K3M452D5AK20
1200	30	57.5	55	45	52.5	20.3	17	750	5.5	35	8.1	25	1.2	DPB-306K3M452D5AK30
1200	35	57.5	55	45	52.5	20.3	18	875	5.0	35	6.9	25	1.2	DPB-356K3M452D5AK30
1200	40	57.5	53	50	52.5	20.3	20	1000	4.5	35	5.6	25	1.2	DPB-406K3M452D5AK40

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

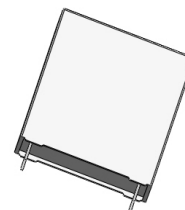
* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

Metallized Polypropylene Film Capacitor(Radial Lead) DC-Link Application (THB for Severe Ambient Conditions)

DPBG

高温高湿直流滤波电容器

DPBG series is constructed with metallized polypropylene film, encapsulated in self-extinguishing solvent resistant plastic case and sealed with epoxy resin material meeting UL-94V-0 requirements. They are suitable for application with severe ambient conditions and harsh environment.



APPLICATION

DC link applications.

DC filtering circuits.

Frequency converter.

Solar inverter and industrial power supply.

FEATURES

High stability of capacitance under severe ambient condition.

Self-healing properties.

High capacitance density.

Suitable for high frequency applications.

SPECIFICATIONS

Reference Standard:	IEC61071
Climatic Category:	40/85/21 IEC60068-1
Operating Temperature Range:	-40°C to +105°C
Rated Voltage:	450Vdc ~ 1200Vdc
Capacitance Range:	1.0uF ~110uF
Capacitance Tolerance:	±5% or ±10% at +25°C
Dissipation Factor (DF):	≤ 0.001 (0.1%) at 1kHz at +25°C
Test Voltage Between Terminals:	1.5 x rated voltage for 10s (terminal to terminal)
Test Voltage Terminal to Case:	3.0KVac 50 Hz for 10 sec at +25°C
Insulation Resistance:	IR x C ≥ 30,000 Seconds at 100VDC 1 minute at +25°C
Life Expectancy:	100,000 hours at Un @ Hot-Spot temperature T=+85°C
Leads:	Tinned copper wires, standard lead wire length 5 ±1mm
Packaging:	Packed in cardboard boxes with protection for the leads
RoHS Compliant:	Compliant with the restricted substance requirements of Directive 2002/95/EC
THB Test (Damp heat test with loading):	Temperature : 85°C ± 2°C ; Humidity : 85% ± 2%
	Loading Voltage: Rated voltage (DC) ;
	Duration: 1000 hours
	Capacitance change(□C/C): ≤10%

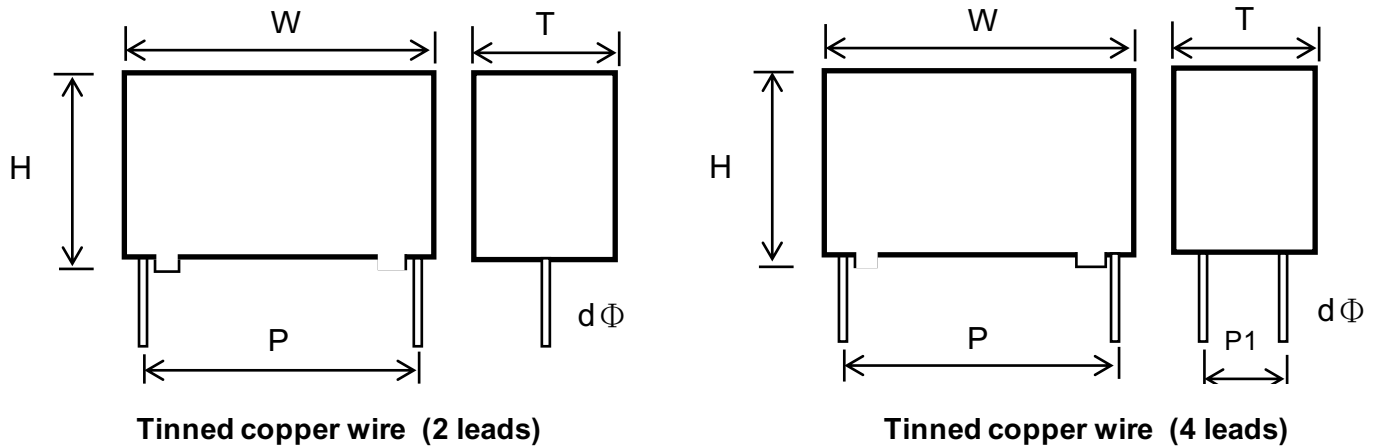
Metallized Polypropylene Film Capacitor(Radial Lead) DC-Link Application (THB for Severe Ambient Conditions)

DPBG

高温高湿直流滤波电容器

OUTLINE DRAWING

Unit: mm



LEAD WIRES AND DIMENSIONS

Unit: mm

Number of wires	Lead spacing	Lead diameter
	$P \pm 0.5$	$d\Phi \pm 0.1$
	mm	mm
2 - pin	27.5	0.8
2 - pin	37.5	1.0
4 - pin	37.5	1.2
4 - pin	52.5	1.2

Metallized Polypropylene Film Capacitor(Radial Lead) DC-Link Application (THB for Severe Ambient Conditions)

DPBG

高温高湿直流滤波电容器

PLASTIC CASE DIMENSIONS

Unit: mm

Case Code	W	H	T	P
	±1	±1	±1	±0.5
R10	32	20	11	27.5
R20	32	22	13	27.5
R31	32	24.5	15	27.5
R50	32	28	14	27.5
R60	32	28	18	27.5
R80	32	33	18	27.5
R94	32	37	22	27.5
T10	42.5	45	30	37.5
T23	42.5	33.5	22	37.5
T33	42.5	40	20	37.5
T42	42.5	37	28	37.5
T40	42.5	43	28	37.5
T60	42.5	18	24	37.5
T61	42.5	44	24	37.5
T90	42.5	50	35	37.5
K10	57.5	45	30	52.5
K20	57.5	50	35	52.5
K23	57.5	60	35	52.5
K30	57.5	55	45	52.5
K40	57.5	53	50	52.5

Metallized Polypropylene Film Capacitor(Radial Lead) DC-Link Application (THB for Severe Ambient Conditions)

DPBG

高温高湿直流滤波电容器

PART NUMBER REFERENCE AND DIMENSIONS

Vdc	Cap	Dimensions					Irms 10KHz A @70°C	Peak Current A	ESR 10KHz mΩ	ESL nH	Thermal Res °C/W	dv/dt V/us	Lead	Part Number
	Value uF	W mm	H mm	T mm	P mm	P1 mm							Wire mm	
450	5	32	20	11	27.5	\	5	250	15.0	25	47.1	50	0.8	DPBG505K2WB27L5AR10
450	10	32	28	14	27.5	\	7.5	500	8.5	25	23.7	50	0.8	DPBG106K2WB27L5AR50
450	18	32	37	22	27.5	\	11	900	6.0	28	13.8	50	0.8	DPBG186K2WB27L5AR94
450	20	32	37	22	27.5	\	12.5	1000	5.0	28	12.8	50	0.8	DPBG206K2WB27L5AR94
450	22	32	37	22	27.5	\	12.5	1100	5.0	28	12.8	50	0.8	DPBG226K2WB27L5AR94
450	30	42.5	40	20	37.5	10.2	12	900	6.0	30	11.6	30	1.2	DPBG306K2W437B5AT33
450	40	42.5	37	28	37.5	10.2	14	1200	5.5	30	9.3	30	1.2	DPBG406K2W437B5AT42
450	50	42.5	45	30	37.5	20.3	15	1500	4.0	30	11.1	30	1.2	DPBG506K2W437D5AT10
450	60	42.5	45	30	37.5	20.3	16.5	1800	4.0	30	9.2	30	1.2	DPBG606K2W437D5AT10
450	80	57.5	45	30	52.5	20.3	16	1200	4.0	35	7.4	15	1.2	DPBG806K2W452D5AK10
450	100	57.5	50	35	52.5	20.3	18	1500	3.8	35	6.2	15	1.2	DPBG107K2W452D5AK20
550	3	32	20	11	27.5	\	4	150	28.0	25	22.3	50	0.8	DPBG305K2YB27L5AR20
550	5	32	22	13	27.5	\	6	250	14.0	25	16.8	50	0.8	DPBG505K2YB27L5AR20
550	8	32	28	14	27.5	\	8.5	400	12.5	25	12.6	50	0.8	DPBG805K2YB27L5AR50
550	10	32	33	18	27.5	\	10	500	8.0	25	12.5	50	0.8	DPBG106K2YB27L5AR80
550	15	32	37	22	27.5	\	13	750	6.5	28	9.1	50	0.8	DPBG156K2YB27L5AR94
550	15	32	37	22	27.5	10.2	15	750	5.5	28	8.1	50	1.2	DPBG156K2Y427B5AR94
550	20	42.5	40	20	37.5	10.2	12.5	600	6.5	30	9.8	30	1.2	DPBG206K2Y437B5AT33
550	22	42.5	40	20	37.5	10.2	13.5	660	6.5	30	8.4	30	1.2	DPBG226K2Y437B5AT33
550	25	42.5	40	20	37.5	10.2	14.5	750	6.5	30	7.3	30	1.2	DPBG256K2Y437B5AT33
550	30	42.5	44	24	37.5	10.2	16	900	6.0	30	6.5	30	1.2	DPBG306K2Y437B5AT61
550	35	42.5	45	30	37.5	20.3	18	1050	6.0	30	5.1	30	1.2	DPBG356K2Y437D5AT10
550	40	42.5	45	30	37.5	20.3	18	1200	5.5	30	5.1	30	1.2	DPBG406K2Y437D5AT10
550	50	42.5	50	35	37.5	20.3	20	1500	5.0	30	5.0	30	1.2	DPBG506K2Y437D5AT90
550	60	57.5	45	30	37.5	20.3	18	900	4.8	35	6.2	15	1.2	DPBG606K2Y452D5AK10
550	75	57.5	50	35	52.5	20.3	20	1125	5.0	35	5.0	15	1.2	DPBG756K2Y452D5AK20
550	100	57.5	55	45	52.5	20.3	24	1500	4.5	35	3.9	15	1.2	DPBG107K2Y452D5AK30
550	110	57.5	53	50	52.5	20.3	26	1650	4.0	35	3.7	15	1.2	DPBG117K2Y452D5AK40
600	3	32	20	11	27.5	\	4	150	28.0	25	22.3	50	0.8	DPBG305K2RB27L5AR10
600	4	32	20	11	27.5	\	5	200	26.0	25	14.3	50	0.8	DPBG405K2RB27L5AR10
600	5	32	28	14	27.5	\	6	250	14.5	25	26.5	50	0.8	DPBG505K2RB27L5AR50
600	8	32	28	14	27.5	\	7.5	400	12.0	25	17.8	50	0.8	DPBG805K2RB27L5AR50
600	10	32	33	18	27.5	\	8.5	500	7.5	25	19.8	50	0.8	DPBG106K2RB27L5AR80
600	12	32	33	18	27.5	\	9.5	600	7.5	25	15.8	50	0.8	DPBG126K2RB27L5AR80
600	15	32	37	22	27.5	\	10.5	750	7.5	28	12.1	50	0.8	DPBG156K2RB27L5AR94
600	20	42.5	40	20	37.5	10.2	11	600	6.0	30	13.8	30	1.2	DPBG206K2R437B5AT33
600	30	42.5	37	28	37.5	10.2	13	900	5.5	30	10.8	30	1.2	DPBG306K2R437B5AT42
600	40	42.5	45	30	37.5	20.3	18	1200	4.0	30	7.7	30	1.2	DPBG406K2R437D5AT10
600	50	57.5	50	35	52.5	20.3	14	750	6.5	35	7.8	15	1.2	DPBG506K2R452D5AK20
600	60	57.5	50	35	52.5	20.3	16	900	5.0	35	7.8	15	1.2	DPBG606K2R452D5AK20
600	70	57.5	50	35	52.5	20.3	18	1050	5.0	35	6.2	15	1.2	DPBG706K2R452D5AK20
600	80	57.5	55	45	52.5	20.3	20	1200	4.0	35	6.3	15	1.2	DPBG806K2R452D5AK30
600	90	57.5	55	45	52.5	20.3	24	1350	4.0	35	4.3	15	1.2	DPBG906K2R452D5AK30
600	100	57.5	53	50	52.5	20.3	26	1500	4.0	35	3.7	15	1.2	DPBG107K2R452D5AK40
600	110	57.5	53	50	52.5	20.3	28	1650	3.5	35	3.6	15	1.2	DPBG117K2R452D5AK40
700	3	32	20	11	27.5	\	4.5	150	28.0	25	47.0	50	0.8	DPBG305K2SB27L5AR10
700	3.3	32	28	14	27.5	\	5.5	165	26.0	25	31.5	50	0.8	DPBG335K2SB27L5AR50
700	5	32	28	14	27.5	\	6	250	14.0	25	26.5	50	0.8	DPBG505K2SB27L5AR50
700	8	32	33	18	27.5	\	9	400	10.0	25	12.3	50	0.8	DPBG805K2SB27L5AR80
700	10	32	33	18	27.5	\	10	500	7.0	25	14.3	50	0.8	DPBG106K2SB27L5AR80

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

Metallized Polypropylene Film Capacitor(Radial Lead) DC-Link Application (THB for Severe Ambient Conditions)

DPBG

高温高湿直流滤波电容器

PART NUMBER REFERENCE AND DIMENSIONS

Vdc	Cap	Dimensions					Irms 10KHz A @70°C	Peak Current A	ESR 10KHz mΩ	ESL nH	Thermal	dv/dt V/us	Lead	Part Number
	Value	W	H	T	P	P1					Res		Wire	
	uF	mm	mm	mm	mm	mm					°C/W		mm	
700	10	32	37	22	27.5	\	12	500	6.5	28	10.7	50	0.8	DPBG106K2SB27L5AR94
700	10	42.5	18	24	37.5	\	11.5	300	7.5	30	10.1	30	1.0	DPBG106K2SB37L5AT60
700	15	42.5	33.5	22	37.5	\	9	450	9.0	30	13.7	30	1.0	DPBG156K2SB37L5AT23
700	15	42.5	33.5	22	37.5	10.2	10	450	8.0	30	12.5	30	1.2	DPBG156K2S437B5AT23
700	15	42.5	40	20	37.5	10.2	10	450	8.0	30	12.5	30	1.2	DPBG156K2S437B5AT33
700	20	42.5	37	28	37.5	10.2	12	600	7.5	30	11.6	30	1.2	DPBG206K2S437B5AT42
700	22	42.5	44	24	37.5	10.2	14	660	6.5	30	9.3	30	1.2	DPBG226K2S437B5AT61
700	25	42.5	44	24	37.5	10.2	16	750	6.0	30	7.8	30	1.2	DPBG256K2S437B5AT61
700	30	42.5	45	30	37.5	20.3	16	900	5.8	30	8.7	30	1.2	DPBG306K2S437D5AT10
700	35	42.5	50	35	37.5	20.3	20	1050	5.5	30	6.3	30	1.2	DPBG356K2S437D5AT90
700	40	57.5	45	30	52.5	20.3	14	600	5.0	35	8.5	15	1.2	DPBG406K2S452D5AK10
700	45	57.5	45	30	52.5	20.3	15.5	675	5.0	35	7.6	15	1.2	DPBG456K2S452D5AK10
700	50	57.5	50	35	52.5	20.3	15	750	4.8	35	8.1	15	1.2	DPBG506K2S452D5AK20
700	55	57.5	50	35	52.5	20.3	16	825	4.5	35	8.7	15	1.2	DPBG556K2S452D5AK20
700	60	57.5	50	35	52.5	20.3	18	900	4.0	35	7.7	15	1.2	DPBG606K2S452D5AK20
700	65	57.5	55	45	52.5	20.3	20	975	4.0	35	6.3	15	1.2	DPBG656K2S452D5AK30
700	70	57.5	55	45	52.5	20.3	20	1050	3.8	35	6.3	15	1.2	DPBG706K2S452D5AK30
700	75	57.5	55	45	52.5	20.3	20	1125	3.8	35	6.3	15	1.2	DPBG756K2S452D5AK30
700	80	57.5	53	50	52.5	20.3	22	1200	3.5	35	5.9	15	1.2	DPBG806K2S452D5AK40
700	90	57.5	53	50	52.5	20.3	24	1350	3.5	35	5.0	15	1.2	DPBG906K2S452D5AK40
800	3.3	32	28	14	27.5	\	4	165	25.0	25	32.1	50	0.8	DPBG335K2KB27L5AR50
800	5	32	28	14	27.5	\	6	250	12.0	25	26.5	50	0.8	DPBG505K2KB27L5AR50
800	9	32	33	18	27.5	\	10	198	10.5	25	9.1	22	0.8	DPBG905K2KB27L5AR80
800	10	32	37	22	27.5	\	11.5	220	9.5	28	8.0	22	0.8	DPBG106K2KB27L5AR94
800	15	42.5	40	20	37.5	10.2	10	450	8.0	30	12.5	30	1.2	DPBG156K2K437B5AT33
800	20	42.5	37	28	37.5	10.2	12	600	7.0	30	11.6	30	1.2	DPBG206K2K437B5AT42
800	22	42.5	44	24	37.5	10.2	14	660	6.0	30	9.3	30	1.2	DPBG226K2K437B5AT61
800	25	42.5	45	30	37.5	20.3	14	425	5.5	30	7.5	17	1.2	DPBG256K2K437D5AT10
800	30	42.5	45	30	37.5	20.3	16	900	4.5	30	8.7	30	1.2	DPBG306K2K437D5AT10
800	35	57.5	45	30	52.5	20.3	14.2	420	6.5	35	7.6	12	1.2	DPBG356K2K452D5AK10
800	40	57.5	45	30	52.5	20.3	14	600	6.0	35	8.5	15	1.2	DPBG406K2K452D5AK10
800	45	57.5	45	30	52.5	20.3	15.5	675	5.5	35	7.6	15	1.2	DPBG456K2K452D5AK10
800	47	57.5	50	35	52.5	20.3	17.5	564	5.0	35	6.5	12	1.2	DPBG476K2K452D5AK20
800	50	57.5	50	35	52.5	20.3	16	600	5.0	35	7.8	12	1.2	DPBG506K2K452D5AK20
800	55	57.5	50	35	52.5	20.3	17	660	4.6	35	6.9	12	1.2	DPBG556K2K452D5AK20
800	65	57.5	60	35	52.5	20.3	19	780	4.0	35	7.3	12	1.2	DPBG656K2K452D5AK23
800	65	57.5	55	45	52.5	20.3	20	975	4.0	35	6.3	15	1.2	DPBG656K2K452D5AK30
800	70	57.5	55	45	52.5	20.3	20	1050	3.8	35	6.3	15	1.2	DPBG706K2K452D5AK30
800	75	57.5	55	45	52.5	20.3	20	1125	3.8	35	6.3	15	1.2	DPBG756K2K452D5AK30
800	80	57.5	53	50	52.5	20.3	22	1200	3.5	35	5.9	15	1.2	DPBG806K2K452D5AK40
800	90	57.5	53	50	52.5	20.3	24	1350	3.5	35	5.0	15	1.2	DPBG906K2K452D5AK40
900	2	32	20	11	27.5	\	3	120	25.0	25	44.4	60	0.8	DPBG205K2UB27L5AR10
900	3	32	22	13	27.5	\	5	180	18.5	25	21.6	60	0.8	DPBG305K2UB27L5AR20
900	3.3	32	24.5	15	27.5	\	5	198	18.5	25	21.6	60	0.8	DPBG335K2UB27L5AR31
900	5	32	28	18	27.5	\	7	300	12.5	25	16.3	60	0.8	DPBG505K2UB27L5AR60
900	6	32	33	18	27.5	\	8	360	11.0	25	14.2	60	0.8	DPBG605K2UB27L5AR80
900	8	32	37	22	27.5	\	10.5	480	10.0	28	9.1	60	0.8	DPBG805K2UB27L5AR94
900	10	32	37	22	27.5	\	12	600	10.0	28	6.9	60	0.8	DPBG106K2UB27L5AR94
900	10	42.5	40	20	37.5	\	8.5	350	12.0	30	11.5	35	1.0	DPBG106K2UB37L5AT33
900	10	42.5	40	20	37.5	10.2	9.5	350	11.5	30	9.6	35	1.2	DPBG106K2U437B5AT33

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

Metallized Polypropylene Film Capacitor(Radial Lead) DC-Link Application (THB for Severe Ambient Conditions)

DPBG

高温高湿直流滤波电容器

PART NUMBER REFERENCE AND DIMENSIONS

Vdc	Cap	Dimensions					Irms 10KHz A @70°C	Peak Current A	ESR 10KHz mΩ	ESL nH	Thermal	dv/dt V/us	Lead	Part Number
	Value	W	H	T	P	P1					Res		Wire	
	uF	mm	mm	mm	mm	mm					°C/W		mm	
900	15	42.5	44	24	37.5	\	10.5	525	8.0	30	11.3	35	1.0	DPBG156K2UB37L5AT61
900	15	42.5	44	24	37.5	10.2	12	525	7.5	30	9.3	35	1.2	DPBG156K2U437B5AT61
900	18	42.5	44	24	37.5	\	10.5	630	8.0	30	11.3	35	1.0	DPBG186K2UB37L5AT61
900	18	42.5	44	24	37.5	10.2	12	630	7.5	30	9.3	35	1.2	DPBG186K2U437B5AT61
900	20	42.5	45	30	37.5	\	14	700	6.0	30	8.5	35	1.0	DPBG206K2UB37L5AT10
900	20	42.5	45	30	37.5	20.3	15	700	5.5	30	8.1	35	1.2	DPBG206K2U437D5AT10
900	25	42.5	45	30	37.5	20.3	17	875	5.5	30	6.3	35	1.2	DPBG256K2U437D5AT10
900	30	42.5	50	35	37.5	20.3	19	1050	5.0	30	5.5	35	1.2	DPBG306K2U437D5AT90
900	30	57.5	45	30	52.5	20.3	15	450	5.5	35	8.1	15	1.2	DPBG306K2U452D5AK10
900	35	57.5	50	35	52.5	20.3	15.5	525	5.5	35	7.6	15	1.2	DPBG356K2U452D5AK20
900	40	57.5	50	35	52.5	20.3	16	600	6.5	35	6.0	15	1.2	DPBG406K2U452D5AK20
900	50	57.5	50	35	52.5	20.3	18	750	3.6	35	8.6	15	1.2	DPBG506K2U452D5AK20
900	55	57.5	60	35	52.5	20.3	19	825	3.5	35	7.9	15	1.2	DPBG556K2U452D5AK23
900	55	57.5	55	45	52.5	20.3	20	825	3.4	35	7.4	15	1.2	DPBG556K2U452D5AK30
900	60	57.5	55	45	52.5	20.3	20	900	3.4	35	7.4	15	1.2	DPBG606K2U452D5AK30
900	70	57.5	53	50	52.5	20.3	20	1050	3.2	35	7.8	15	1.2	DPBG706K2U452D5AK40
1000	2	32	22	13	27.5	\	3.5	120	30.0	25	27.2	60	0.8	DPBG205K3AB27L5AR20
1000	3	32	24.5	15	27.5	\	5	180	25.0	25	16.0	60	0.8	DPBG305K3AB27L5AR31
1000	5	32	33	18	27.5	\	8	300	14.0	25	11.2	60	0.8	DPBG505K3AB27L5AR80
1000	8	32	37	22	27.5	\	10	480	12.0	28	8.3	60	0.8	DPBG805K3AB27L5AR94
1000	10	42.5	40	20	37.5	\	8.5	350	12.0	30	11.5	35	1.0	DPBG106K3AB37L5AT33
1000	10	42.5	40	20	37.5	10.2	9.5	350	11.5	30	9.6	35	1.2	DPBG106K3A437B5AT33
1000	12	42.5	44	24	37.5	10.2	10.5	420	9.0	30	10.1	35	1.2	DPBG126K3A437B5AT61
1000	15	42.5	44	24	37.5	\	10.5	525	8.0	30	11.3	35	1.0	DPBG156K3AB37L5AT61
1000	15	42.5	44	24	37.5	10.2	12	525	7.5	30	9.3	35	1.2	DPBG156K3A437B5AT61
1000	15	42.5	45	30	37.5	20.3	14	525	7.5	30	6.8	35	1.2	DPBG156K3A437D5AT10
1000	20	42.5	45	30	37.5	20.3	15	700	6.5	30	6.8	35	1.2	DPBG206K3A437D5AT10
1000	25	42.5	50	35	37.5	20.3	18	875	5.5	30	5.6	35	1.2	DPBG256K3A437D5AT90
1000	30	57.5	45	30	52.5	20.3	15	450	5.5	35	8.1	15	1.2	DPBG306K3A452D5AK10
1000	35	57.5	50	35	52.5	20.3	16	525	5.5	35	7.1	15	1.2	DPBG356K3A452D5AK20
1000	40	57.5	50	35	52.5	20.3	16	600	5.0	35	7.8	15	1.2	DPBG406K3A452D5AK20
1000	50	57.5	55	45	52.5	20.3	19	750	4.5	35	6.2	15	1.2	DPBG506K3A452D5AK30
1000	60	57.5	53	50	52.5	20.3	22	900	4.0	35	5.2	15	1.2	DPBG606K3A452D5AK40
1100	1	32	20	11	27.5	\	2.5	70	45.0	25	35.6	70	0.8	DPBG105K3LB27L5AR10
1100	1.5	32	22	13	27.5	\	3.5	105	30.0	25	27.2	70	0.8	DPBG155K3LB27L5AR20
1100	2	32	24.5	15	27.5	\	4	140	25.0	25	25.0	70	0.8	DPBG205K3LB27L5AR31
1100	2.2	32	28	14	27.5	\	5	154	16.5	25	24.2	70	0.8	DPBG225K3LB27L5AR50
1100	3.3	32	28	18	27.5	\	6.5	231	11.5	25	20.6	70	0.8	DPBG335K3LB27L5AR60
1100	4	32	33	18	27.5	\	8	280	10.5	25	14.9	70	0.8	DPBG405K3LB27L5AR80
1100	5	32	37	22	27.5	\	8.5	350	9.5	28	14.6	70	0.8	DPBG505K3LB27L5AR94
1100	6.8	42.5	33.5	22	37.5	10.2	12	272	13.5	30	5.1	40	1.2	DPBG685K3L437B5AT23
1100	8	42.5	40	20	37.5	\	10.5	320	14.0	30	6.5	40	1.0	DPBG805K3LB37L5AT33
1100	8	42.5	40	20	37.5	10.2	12.5	320	12.5	30	5.1	40	1.2	DPBG805K3L437B5AT33
1100	10	42.5	44	24	37.5	\	14	400	9.0	30	5.7	40	1.0	DPBG106K3LB37L5AT61
1100	10	42.5	44	24	37.5	10.2	15	400	8.5	30	5.2	40	1.2	DPBG106K3L437B5AT61
1100	12	42.5	45	30	37.5	20.3	15.5	480	7.5	30	5.5	40	1.2	DPBG126K3L437D5AT10
1100	18	42.5	50	35	37.5	20.3	15.5	720	7.5	30	5.5	40	1.2	DPBG186K3L437D5AT90
1100	20	57.5	45	30	52.5	20.3	12	400	8.5	35	8.2	20	1.2	DPBG206K3L452D5AK10
1100	30	57.5	50	35	52.5	20.3	15	600	5.0	35	8.9	20	1.2	DPBG306K3L452D5AK20
1100	40	57.5	55	45	52.5	20.3	17	800	5.5	35	6.3	20	1.2	DPBG406K3L452D5AK30

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

Metallized Polypropylene Film Capacitor(Radial Lead) DC-Link Application (THB for Severe Ambient Conditions)

DPBG

高温高湿直流滤波电容器

■ PART NUMBER REFERENCE AND DIMENSIONS

Vdc	Cap	Dimensions					Irms 10KHz A @70°C	Peak Current A	ESR 10KHz mΩ	ESL nH	Thermal Res °C/W	dv/dt V/us	Lead	Part Number
	Value uF	W mm	H mm	T mm	P mm	P1 mm							Wire mm	
1100	50	57.5	53	50	52.5	20.3	20	1000	4.5	35	5.6	20	1.2	DPBG506K3L452D5AK40
1200	1	32	20	11	27.5	\	4.5	80	32.5	25	15.2	80	0.8	DPBG105K3MB27L5AR10
1200	2	32	24.5	15	27.5	\	5	160	32.5	25	12.3	80	0.8	DPBG205K3MB27L5AR31
1200	2.2	32	28	18	27.5	\	5.5	176	17.0	25	19.4	80	0.8	DPBG225K3MB27L5AR60
1200	3	32	28	18	27.5	\	7	240	16.0	25	12.8	80	0.8	DPBG305K3MB27L5AR60
1200	3.3	32	33	18	27.5	\	8	264	13.5	25	11.6	80	0.8	DPBG335K3MB27L5AR80
1200	5	32	37	22	27.5	\	10	400	12.0	28	8.3	80	0.8	DPBG505K3MB27L5AR94
1200	5	42.5	33.5	22	37.5	\	7.5	225	15.5	30	11.5	45	1.0	DPBG505K3MB37L5AT23
1200	6	42.5	40	20	37.5	\	7.5	270	15.5	30	11.5	45	1.0	DPBG605K3MB37L5AT33
1200	8	42.5	44	24	37.5	10.2	9	360	12.5	30	9.9	45	1.2	DPBG805K3M437B5AT61
1200	10	42.5	44	24	37.5	10.2	10	450	10.5	30	9.5	45	1.2	DPBG106K3M437B5AT61
1200	10	42.5	45	30	37.5	20.3	12	450	8.0	30	8.7	45	1.2	DPBG106K3M437D5AT10
1200	15	42.5	50	35	37.5	20.3	15	675	6.5	30	6.8	45	1.2	DPBG156K3M437D5AT90
1200	20	57.5	45	30	52.5	20.3	13	500	8.5	35	9.7	25	1.2	DPBG206K3M452D5AK10
1200	25	57.5	50	35	52.5	20.3	15	625	6.5	35	9.1	25	1.2	DPBG256K3M452D5AK20
1200	30	57.5	55	45	52.5	20.3	17	750	5.5	35	8.1	25	1.2	DPBG306K3M452D5AK30
1200	35	57.5	55	45	52.5	20.3	18	875	5.0	35	6.9	25	1.2	DPBG356K3M452D5AK30
1200	40	57.5	53	50	52.5	20.3	20	1000	4.5	35	5.6	25	1.2	DPBG406K3M452D5AK40

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

Metalized Polypropylene Film Capacitor (Top Terminal) DC-Link Application

DPG

订购基本规格

EXPLANATION OF ARTICLE CODE

DPG-	207	K	2R	B	45	F	5
①	②	③	④	⑤	⑥	⑦	⑧

① Capacitor Type

TYPE	DPG
CODE	DPG-

② Rated Capacitance (EIA Code)

The rated capacitance value of the product is indicated with three digits. The first two digits indicate the two most significant digits of the capacitance value, and the third digit gives the number of following zeroes. This give the capacitance value expressed in picofarads.

Example:

105	=	1,000,000pF	=	1,000nF	=	1uF
106	=	10,000,000pF	=	10,000nF	=	10uF

③ Capacitance Tolerance

TOLERANCE	±5%	±10%	±20%
CODE	J	K	M

④ Rated Voltage

Code for DC Voltage: (expressed in one digit & one letter code)

VOLTAGE	600V	700V	800V	900V	1000V	1100V	1200V	1300V
CODE	2R	2S	2K	2U	3A	3L	3M	6A

⑤ Terminal Configuration

FORM	Male	Fmale
CODE	A	B

⑥ Terminal Pitch

LEAD SPACE (mm)	31.5	37.5	45.0	50	41.5	32
CODE	31	37	45	50	41	32

⑦ Terminal

TERMINAL	M3	M4	M5	M6	M8	M10	M12
CODE	C	D	E	F	H	J	L

⑧ Terminal Length

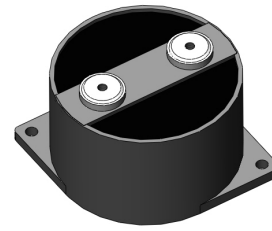
LENGTH (mm)	20	15	16	2	4	5	9	28	22
CODE	A	B	C	2	4	5	9	D	E

Metallized Polypropylene Film Capacitor (Top Terminal) DC-Link Application

DPG

直流滤波电容器

DPG series is constructed with metallized polypropylene film, cylindrical plastic can casing sealed with epoxy resin and with screw terminal. They are suitable for DC link, DC filter circuits, Electric Vehicle and Industrial Inverter.



APPLICATION

- DC link applications.
- DC filtering circuits.
- Motor driver systems.
- Electric Vehicle and industrial power supply.

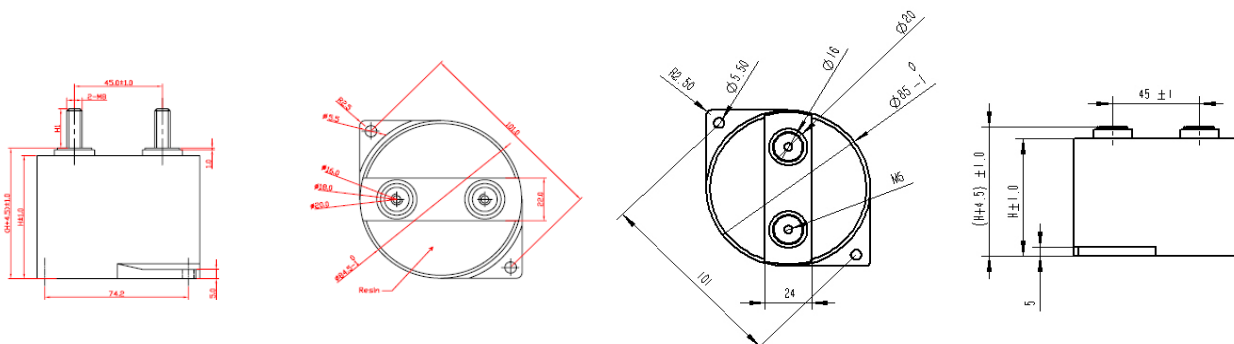
FEATURES

- High ripple current.
- Self-healing properties.
- Low losses dielectric.
- High capacitance density.

SPECIFICATIONS

Reference Standard:	IEC61071
Climatic Category:	40/85/21 IEC60068-1
Operating Temperature Range:	-40°C to +105°C
Rated Voltage:	500Vdc ~ 1100Vdc
Capacitance Range:	50uF ~280uF
Capacitance Tolerance:	±5% or ±10% at +25°C
Dissipation Factor (DF):	≤ 0.002 (0.2%) at 100Hz at +25°C
Test Voltage Between Terminals:	1.5 x rated voltage for 10s (terminal to terminal)
Test Voltage Terminal to Case:	3.0KVac 50 Hz for 10 sec at +25°C
Life Expectancy:	100,000 hours at Un @ Hot-Spot temperature T=+70°C
Terminals:	M5, M6 or M8 threaded bolt; also available with threaded female connections
Packaging:	Packed in cardboard boxes with protection for the terminals
RoHS Compliant:	Compliant with the restricted substance requirements of Directive 2002/95/EC

DIMENSIONS



Metallized Polypropylene Film Capacitor (Top Terminal) DC-Link Application

DPG

直流滤波电容器

DIMENSIONS

D	H	h	P	T	M1
±1	±1	±1	±1.0	threaded Insert	threaded post
mm	mm	mm	mm	terminations	terminations
85	40	4.5	45	M5 x 7.5	M8 x 20
85	51	4.5	45	M5 x 7.5	M8 x 20
85	64	4.5	45	M5 x 7.5	M8 x 20

PART NUMBER REFERENCE AND DIMENSIONS

Vdc	Cap	Dimensions			I _{rms} 50°C	Peak	ESR	ESL	Thermal	dv/dt	Pkg	Termination	Part Number
	Value	D	H	P	10KHz	Current	1KHz		Res		Qty	I=Threaded Insert	
	uF	mm	mm	mm	A	A	mΩ	nH	°C/W	V/us	pcs	P=Threaded Post	
500	150	85	40	45	65	5250	1.8	25	4.3	35	8	I	DPG-157K2HB45E5
500	220	85	51	45	65	5500	1.8	40	4.8	25	8	I	DPG-227K2HB45E5
500	280	85	64	45	70	5600	1.6	40	5.4	20	8	I	DPG-287K2HB45E5
600	100	85	40	45	70	3500	1.5	25	5.0	35	8	I	DPG-107K2RB45E5
600	150	85	51	45	80	3750	1.4	30	6.5	25	8	I	DPG-157K2RB45E5
600	220	85	64	45	90	4400	1.5	40	4.5	20	8	I	DPG-227K2RB45E5
800	66	85	40	45	70	2310	2.0	25	5.0	35	8	I	DPG-666K2KB45E5
800	100	85	51	45	75	2500	1.8	30	5.0	25	8	I	DPG-107K2KB45E5
800	140	85	64	45	80	2800	1.6	40	8.4	20	8	I	DPG-147K2KB45E5
800	220	85	64	45	100	4400	1.4	40	4.8	20	8	I	DPG-227K2KB45E5
1000	66	85	40	45	70	2310	1.0	25	4.2	35	8	I	DPG-666K3AB45E5
1000	120	85	51	45	85	3000	2.2	30	5.2	25	8	I	DPG-127K3AB45E5
1000	140	85	64	45	100	2800	1.5	40	3.1	20	8	I	DPG-147K3KB45E5
1100	50	85	40	45	55	1750	2.4	30	4.5	35	8	I	DPG-506K3LB45E5
1100	100	85	51	45	55	2500	2.0	30	4.5	25	8	I	DPG-107K3LB45E5
500	150	85	40	45	65	5250	1.8	25	4.3	35	8	P	DPG-157K2HA45HA
500	220	85	51	45	65	5500	1.8	40	4.8	25	8	P	DPG-227K2HA45HA
500	280	85	64	45	70	5600	1.6	40	5.4	20	8	P	DPG-287K2HA45HA
600	100	85	40	45	70	3500	1.5	25	5.0	35	8	P	DPG-107K2RA45HA
600	150	85	51	45	80	3750	1.4	30	6.5	25	8	P	DPG-157K2RA45HA
600	220	85	64	45	90	4400	1.5	40	4.5	20	8	P	DPG-227K2RA45HA
800	66	85	40	45	70	2310	2.0	25	5	35	8	P	DPG-666K2KA45HA
800	100	85	51	45	75	2500	1.8	30	5.0	25	8	P	DPG-107K2KA45HA
800	140	85	64	45	80	2800	1.6	40	8.4	20	8	P	DPG-147K2KA45HA
800	220	85	64	45	100	4400	1.4	40	4.8	20	8	P	DPG-227K2KA45HA
1000	66	85	40	45	70	2310	1.0	25	4.2	35	8	P	DPG-666K3AA45HA
1000	120	85	51	45	85	3000	2.2	30	5.2	25	8	P	DPG-127K3AA45HA
1000	140	85	64	45	100	2800	1.5	40	3.1	20	8	P	DPG-147K3KA45HA
1100	50	85	40	45	55	1750	2.4	30	4.5	35	8	P	DPG-506K3LA45HA
1100	100	85	51	45	55	2500	2.0	30	4.5	25	8	P	DPG-107K3LA45HA

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

Metallized Polypropylene Film Capacitor (Top Terminal) DC-Link Application

DPG

直流滤波电容器

PERFORMANCE NOTES

Rs: Equivalent series resistance - Ohmic resistances (Ohm)

Dielectric Dissipation Factor: $\tan\delta_0$ (Polypropylene: 0.0002)

Ta: Ambient temperature

Rth: Thermal resistance °C/W, indicates hot spot temperature rise due to power dissipation losses

Pj: Joule losses $P_j = R_s \cdot I_{rms}^2$

Pd: Dielectric losses

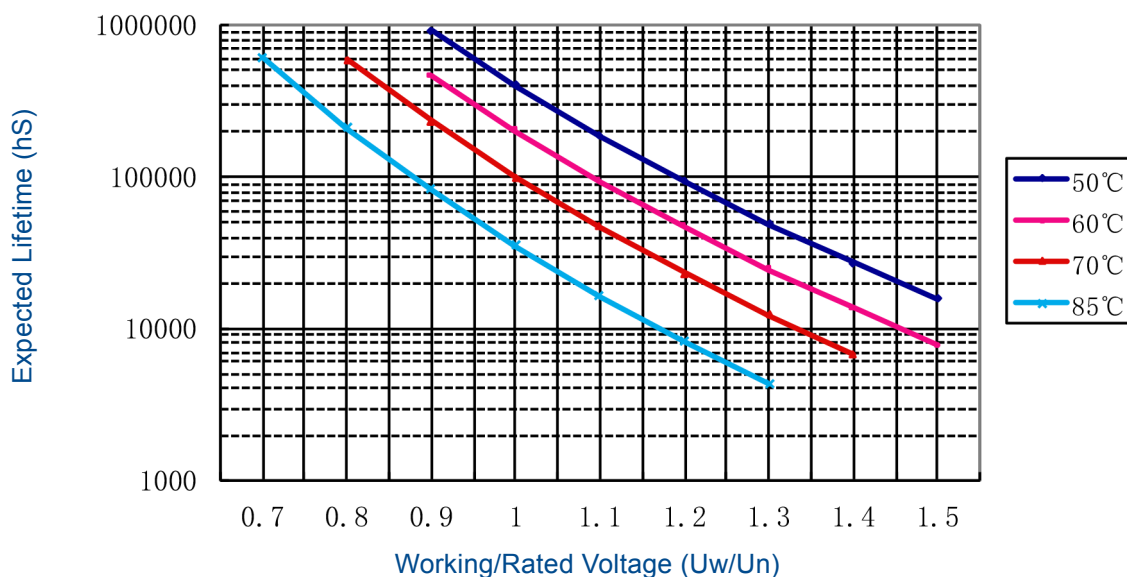
$$P_d = X_c \cdot I_{rms}^2 \cdot \tan\delta = I_{rms}^2 / (2 \cdot \pi \cdot f \cdot C) \cdot \tan\delta$$

Ths: Hot spot temperature within the capacitor

$$Ths = Ta + (P_j + P_d) \cdot R_{th}$$

Design life: 100,000 hours at U_n @ Hot-Spot temperature $\leq +70^\circ\text{C}$

Expected Life Curve



CAUTIONS AND WARNING

- In case of dents of more than 1 mm depth or any other mechanical damage, capacitors must not be used at all.
- Lateral brackets for fixing are standard for all types.
- Do not handle the capacitor before it is discharged.
- Check tightness of the connection/terminals periodically.
- It is necessary to verify that maximum hot-spot temperature is not exceeded at extreme condition.
- Do not use or store capacitor in corrosive atmosphere, in the dusty environments regular maintenance and cleaning especially of the terminals is required to avoid conductive path between phase / or phase and ground.
- Do not have unlimited service life expectancy, the max service life expectancy may vary depending on the application the capacitor is used in.

Metallized Polypropylene Film Capacitor(Aluminium Can) DC-Link Application

DPM

订购基本规格

EXPLANATION OF ARTICLE CODE

DPM-	167	K	3M	J	45	F	5
①	②	③	④	⑤	⑥	⑦	⑧

① Capacitor Type

TYPE	DPM
CODE	DPM-

② Rated Capacitance (EIA Code)

The rated capacitance value of the product is indicated with three digits. The first two digits indicate the two most significant digits of the capacitance value, and the third digit gives the number of following zeroes. This give the capacitance value expressed in picofarads.

Example:

105	=	1,000,000pF	=	1,000nF	=	1uF
106	=	10,000,000pF	=	10,000nF	=	10uF

③ Capacitance Tolerance

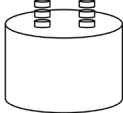
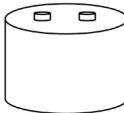
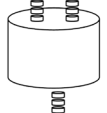
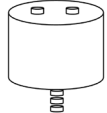
TOLERANCE	±5%	±10%	±20%
CODE	J	K	M

④ Rated Voltage

Code for DC Voltage: (expressed in one digit & one letter code)

VOLTAGE	600V	630V	700V	800V	850V	900V	1000V	1100V	1200V	1300V
CODE	2R	2J	2S	2K	2T	2U	3A	3L	3M	6A

⑤ Terminal Configuration

FORM	THREADED STUD	THREADED INSERT	THREADED STUD + MOUNTING	THREADED INSERT + MOUNTING
CODE	A	B	C	J
FORM STYLE				

⑥ Terminal Pitch

Lead SPACE	32	45	50
CODE	32	45	50

⑦ Terminal

TERMINAL	M3	M4	M5	M6	M8	M10	M12
CODE	C	D	E	F	H	J	L

⑧ Terminal Length

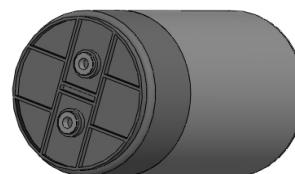
LENGTH	20	15	16	2	4	5	9	28	22
CODE	A	B	C	2	4	5	9	D	E

Metallized Polypropylene Film Capacitor(Aluminium Can) DC-Link Application

DPM

铝壳直流滤波电容器

DPM series is High capacity DC-Link Capacitor constructed with metallized polypropylene film, aluminium casing sealed with epoxy resin. This capacitor is suitable for use in DC filter circuits, Solar Inverter, Industrial Inverter and able to replace electrolytic capacitors.



■ APPLICATION

DC link applications.

DC filtering circuits.

Energy storage.

Solar and Windmill inverter.

■ FEATURES

High ripple current.

Self-healing properties.

Low losses dielectric.

High capacitance density.

■ SPECIFICATIONS

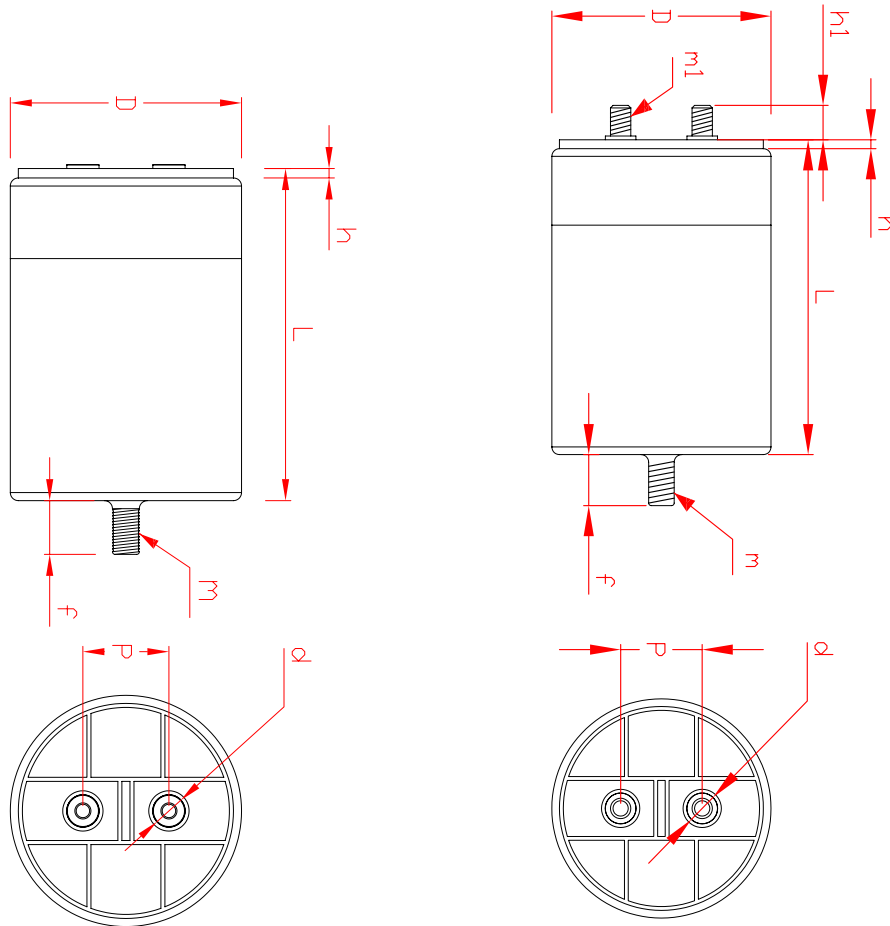
Reference Standard:	IEC61071
Climatic Category:	40/85/21 IEC60068-1
Operating Temperature Range:	-40°C to +85°C
Rated Voltage:	600Vdc ~ 1300Vdc
Capacitance Range:	170uF ~2200uF
Capacitance Tolerance:	±5% or ±10% at +25°C
Dissipation Factor (DF):	≤ 0.002 (0.2%) at 100Hz at +25°C
Test Voltage Between Terminals:	1.5 x rated voltage for 10s (terminal to terminal)
Test Voltage Terminal to Case:	3.0KVac 50 Hz for 10 sec at +25°C
Life Expectancy:	100,000 hours at Un @ Hot-Spot temperature T=+70°C
Terminals:	M6 or M8 threaded bolt; also available with threaded female connections
Packaging:	Packed in cardboard boxes with protection for the terminals
RoHS Compliant:	Compliant with the restricted substance requirements of Directive 2002/95/EC

Metallized Polypropylene Film Capacitor(Aluminium Can) DC-Link Application

铝壳直流滤波电容器

DPM

■ DIMENSIONS



Metallized Polypropylene Film Capacitor(Aluminium Can) DC-Link Application

DPM

铝壳直流滤波电容器

■ DIMENSIONS

D	L	h	P	T	M1
±2	±2	±1	±0.5	Termination	Termination
mm	mm	mm	mm	Threaded Insert	Threaded Post
76	80	5	32	M6 x 10	M8 x 20
76	105	5	32	M6 x 10	M8 x 20
86	80	5	32	M6 x 10	M8 x 20
86	105	5	32	M6 x 10	M8 x 20
86	126	5	32	M6 x 10	M8 x 20
86	142.5	5	32	M6 x 10	M8 x 20
86	151	5	32	M6 x 10	M8 x 20
86	161	5	32	M6 x 10	M8 x 20
86	178.5	5	32	M6 x 10	M8 x 20
86	180	5	32	M6 x 10	M8 x 20
86	205	5	32	M6 x 10	M8 x 20
86	225	5	32	M6 x 10	M8 x 20
116	105	5	50	M6 x 10	M8 x 20
116	155	5	50	M6 x 10	M8 x 20
116	161	5	50	M6 x 10	M8 x 20
116	170	5	50	M6 x 10	M8 x 20
116	180	5	50	M6 x 10	M8 x 20
116	185	5	50	M6 x 10	M8 x 20
116	205	5	50	M6 x 10	M8 x 20
116	230	5	50	M6 x 10	M8 x 20
116	235	5	50	M6 x 10	M8 x 20
116	265	5	50	M6 x 10	M8 x 20
116	330	5	50	M6 x 10	M8 x 20
116	340	5	50	M6 x 10	M8 x 20
136	235	5	50	M6 x 10	M8 x 20
136	265	5	50	M6 x 10	M8 x 20
136	340	5	50	M6 x 10	M8 x 20

Metallized Polypropylene Film Capacitor(Aluminium Can) DC-Link Application

DPM

铝壳直流滤波电容器

■ PART NUMBER REFERENCE AND DIMENSIONS (Threaded Insert Termination)

Vdc	Cap	Dimensions			Irms	Peak	ESR	ESL	Thermal	dv/dt	Pkg	Part Number
	Value	D	L	P	10KHz	Current	1KHz		Res		Qty	
	uF	mm	mm	mm	A@50°C	A	mΩ		nH		°C/W	
600	650	86	105	32	70	3900	1.2	60	5.0	6.0	8	DPM-657K2RJ32F5
600	800	86	142.5	32	75	6400	1.5	60	3.6	8	8	DPM-807K2RJ32F5
600	1000	86	161	32	60	7500	1.0	65	3.7	7.5	8	DPM-108K2RJ32F5
700	220	76	80	32	50	3080	2.6	40	7.2	14	12	DPM-227K2SJ32F5
700	300	86	80	32	55	4200	2.4	40	6.5	14	8	DPM-307K2SJ32F5
700	420	86	105	32	58	2940	2.5	50	4.2	7	8	DPM-427K2SJ32F5
700	450	86	126	32	65	3150	2.3	50	4.6	7	8	DPM-457K2SJ32F5
700	550	86	142.5	32	65	3300	2.5	60	4.1	6	8	DPM-557K2SJ32F5
800	290	76	105	32	50	3045	4.0	60	4.0	10.5	12	DPM-297K2KJ32F5
800	300	86	105	32	60	2550	2.5	60	3.8	8.5	8	DPM-307K2KJ32F5
800	390	86	105	32	62	3315	2.9	60	3.6	8.5	8	DPM-397K2KJ32F5
800	450	86	142.5	32	65	3600	2.4	60	3.2	8	8	DPM-457K2KJ32F5
800	460	86	151	50	70	3680	2.3	50	3.4	8	8	DPM-467K2KJ32F5
800	850	86	205	50	60	4250	1.8	50	3.6	5	8	DPM-857K2KJ32F5
800	1000	116	155	50	65	7000	1.8	60	2.6	7	5	DPM-108K2KJ50F5
800	1600	116	180	50	75	9600	3.0	65	3.4	6	5	DPM-168K2KJ50F5
900	480	86	142.5	32	65	4080	2.0	50	4.2	8.5	8	DPM-487K2UJ32F5
900	1000	116	155	50	68	7000	1.6	80	3.0	7	5	DPM-108K2UJ50F5
900	1500	116	185	50	60	12000	2.0	65	4.8	8	5	DPM-158K2UJ50F5
900	1800	116	235	50	100	14400	0.8	60	2.4	8	5	DPM-188K2UJ50F5
1000	900	116	155	50	72	10800	2.9	85	2.6	12	5	DPM-907K3AJ50F5
1000	1300	116	230	50	100	9750	1.5	100	2.4	7.5	5	DPM-138K3AJ50F5
1000	1600	116	230	50	100	8000	1.5	75	2.1	5	5	DPM-168K3AJ50F5
1100	170	76	105	32	50	1700	3.2	60	3.8	10	12	DPM-177K3LJ32F5
1100	240	86	105	32	55	3000	1.7	50	3.8	12.5	8	DPM-247K3LJ32F5
1100	300	86	142.5	32	58	2550	2.0	60	2.7	8.5	8	DPM-307K3LJ32F5
1100	330	86	142.5	32	60	2805	3.0	60	3.3	8.5	8	DPM-337K3LJ32F5
1100	400	86	142.5	32	60	3400	2.8	60	3.3	8.5	8	DPM-407K3LJ32F5
1100	420	86	142.5	32	58	3570	2.3	85	3.0	8.5	8	DPM-427K3LJ32F5
1100	500	86	180	32	72	6000	1.5	80	3.0	12	8	DPM-507K3LJ32F5
1100	600	86	225	32	65	6300	2.5	60	2.0	10.5	8	DPM-607K3LJ32F5
1100	720	116	155	50	69	9360	3.2	85	2.6	13	5	DPM-727K3LJ50F5
1100	800	116	170	50	80	8800	1.5	55	2.4	11	5	DPM-807K3LJ50F5
1100	1000	116	205	50	85	10000	2.2	50	2.5	10	5	DPM-108K3LJ50F5
1100	1100	116	235	50	90	9900	1.3	60	2.1	9	5	DPM-118K3LJ50F5
1100	1600	116	340	50	100	12000	2.3	100	2.4	7.5	5	DPM-168K3LJ50F5
1100	1700	136	235	50	110	10200	1.5	60	1.7	6	2	DPM-178K3LJ50F5
1100	2000	136	265	50	120	12000	1.2	60	1.3	6	2	DPM-208K3LJ50F5
1100	2200	136	340	50	120	13200	1.2	60	1.0	6	2	DPM-228K3LJ50F5
1200	420	86	178.5	32	60	4200	3.0	70	3.2	10	8	DPM-427K3MJ32F5
1200	540	86	225	32	60	5400	2.5	85	3.3	10	8	DPM-547K3MJ32F5
1200	950	116	235	50	90	9500	1.5	75	2.1	10	5	DPM-957K3MJ50F5
1200	1000	116	235	50	90	10000	1.5	75	2.1	10	5	DPM-108K3MJ50F5
1200	1200	116	265	50	70	12000	0.8	50	1.5	10	5	DPM-128K3MJ50F5
1300	250	86	142.5	32	40	2000	4	85	5.4	8	8	DPM-257K6AJ32F5
1300	330	86	180	32	55	4950	2.6	80	3.4	15	8	DPM-337K6AJ32F5
1300	420	116	105	32	50	6300	2.3	40	2.1	15	5	DPM-427K6AJ50F5
1300	470	116	161	50	65	5640	1.5	80	7.1	12	5	DPM-477K6AJ50F5
1300	1100	116	330	50	85	9900	2.7	200	2.1	9	5	DPM-118K6AJ50F5

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

Metallized Polypropylene Film Capacitor(Aluminium Can) DC-Link Application

DPM

铝壳直流滤波电容器

■ PART NUMBER REFERENCE AND DIMENSIONS (Threaded Post Termination)

Vdc	Cap	Dimensions			Irms	Peak	ESR	ESL	Thermal	dv/dt	Pkg	Part Number
	Value	D	L	P	10KHz	Current	1KHz		Res		Qty	
	uF	mm	mm	mm	A@50°C	A	mΩ		nH		°C/W	
600	650	86	105	32	70	3900	1.2	60	5	6	8	DPM-657K2RC32HA
600	800	86	142.5	32	75	6400	1.5	60	3.6	8	8	DPM-807K2RC32HA
600	1000	86	161	32	60	7500	1.0	65	3.7	7.5	8	DPM-108K2RC32HA
700	220	76	80	32	50	3080	2.6	40	7.2	14	12	DPM-227K2SC32HA
700	300	86	80	32	55	4200	2.4	40	6.5	14	8	DPM-307K2SC32HA
700	420	86	105	32	58	2940	2.5	50	4.2	7	8	DPM-427K2SC32HA
700	450	86	126	32	65	3150	2.3	50	4.6	7	8	DPM-457K2SC32HA
700	550	86	142.5	32	65	3300	2.5	60	4.1	6	8	DPM-557K2SC32HA
800	290	76	105	32	50	3045	4.0	60	4.0	10.5	12	DPM-297K2KC32HA
800	300	86	105	32	60	2550	2.5	60	3.8	8.5	8	DPM-307K2KC32HA
800	390	86	105	32	62	3315	2.9	60	3.6	8.5	8	DPM-397K2KC32HA
800	450	86	142.5	32	65	3600	2.4	60	3.2	8.0	8	DPM-457K2KC32HA
800	460	86	151	50	70	3680	2.3	50	3.4	8	8	DPM-467K2KC32HA
800	850	86	205	50	60	4250	1.8	50	3.6	5	8	DPM-857K2KC32HA
800	1000	116	155	50	65	7000	1.8	60	2.6	7	5	DPM-108K2KC50HA
800	1600	116	180	50	75	9600	3.0	65	3.4	6	5	DPM-168K2KC50HA
900	480	86	142.5	32	65	4080	2	50	4.2	8.5	8	DPM-487K2UC32HA
900	1000	116	155	50	68	7000	1.6	80	3	7	5	DPM-108K2UC50HA
900	1500	116	185	50	60	12000	2	65	4.8	8	5	DPM-158K2UC50HA
900	1800	116	235	50	100	14400	0.8	60	2.4	8	5	DPM-188K2UC50HA
1000	900	116	155	50	72	10800	2.9	85	2.6	12	5	DPM-907K3AC50HA
1000	1300	116	230	50	100	9750	1.5	100	2.4	7.5	5	DPM-138K3AC50HA
1000	1600	116	230	50	100	8000	1.5	75	2.1	5	5	DPM-168K3AC50HA
1100	170	76	105	32	50	1700	3.2	60	3.8	10	12	DPM-177K3LC32HA
1100	240	86	105	32	55	3000	1.7	50	3.8	12.5	8	DPM-247K3LC32HA
1100	300	86	142.5	32	58	2550	2	60	2.7	8.5	8	DPM-307K3LC32HA
1100	330	86	142.5	32	60	2805	3.0	60	3.3	8.5	8	DPM-337K3LC32HA
1100	400	86	142.5	32	60	3400	2.8	60	3.3	8.5	8	DPM-407K3LC32HA
1100	420	86	142.5	32	50	3570	2.3	85	3.0	8.5	8	DPM-427K3LC32HA
1100	500	86	180	32	72	6000	1.5	80	3	12	8	DPM-507K3LC32HA
1100	600	86	225	32	65	6300	2.5	60	2	10.5	8	DPM-607K3LC32HA
1100	720	116	155	50	69	9360	3.2	85	2.6	13	5	DPM-727K3LC50HA
1100	800	116	170	50	80	8800	1.5	55	2.4	11	5	DPM-807K3LC50HA
1100	1000	116	205	50	85	10000	2.2	50	2.5	10	5	DPM-108K3LC50HA
1100	1100	116	235	50	90	9900	1.3	60	2.1	9	5	DPM-118K3LC50HA
1100	1600	116	340	50	100	12000	2.3	100	2.4	7.5	5	DPM-168K3LC50HA
1100	1700	136	235	50	110	10200	1.5	60	1.7	6	2	DPM-178K3LC50HA
1100	2000	136	265	50	120	12000	1.2	60	1.3	6	2	DPM-208K3LC50HA
1100	2200	136	340	50	120	13200	1.2	60	1.0	6	2	DPM-228K3LC50HA
1200	420	86	178.5	32	60	4200	3	70	3.2	10	8	DPM-427K3MC32HA
1200	540	86	225	32	60	5400	2.5	85	3.3	10	8	DPM-547K3MC32HA
1200	950	116	235	50	90	9500	1.5	75	2.1	10	5	DPM-957K3MC50HA
1200	1000	116	235	50	90	10000	1.5	75	2.1	10	5	DPM-108K3MC50HA
1200	1200	116	265	50	70	12000	0.8	50	1.5	10	5	DPM-128K3MC50HA
1300	250	86	142.5	32	40	2000	4.0	85	5.4	8	8	DPM-257K6AC32HA
1300	330	86	180	32	55	4950	2.6	80	3.4	15	8	DPM-337K6AC32HA
1300	420	116	105	32	50	6300	2.3	40	2.1	15	5	DPM-427K6AC50HA
1300	470	116	161	50	65	5640	1.5	80	7.1	12	5	DPM-477K6AC50HA
1300	1100	116	330	50	85	9900	2.7	200	2.1	9	5	DPM-118K6AC50HA

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

Metallized Polypropylene Film Capacitor(Aluminium Can) DC-Link Application

DPM

铝壳直流滤波电容器

■ PERFORMANCE NOTE

Rs: Equivalent series resistance - Ohmic resistances (Ohm)

Dielectric Dissipation Factor: $\tan\delta_0$ (Polypropylene: 0.0002)

Ta: Ambient temperature

Rth: Thermal resistance °C/W, indicates hot spot temperature rise due to power dissipation losses

Pj: Joule losses $P_j = R_s \cdot I_{rms}^2$

Pd: Dielectric losses

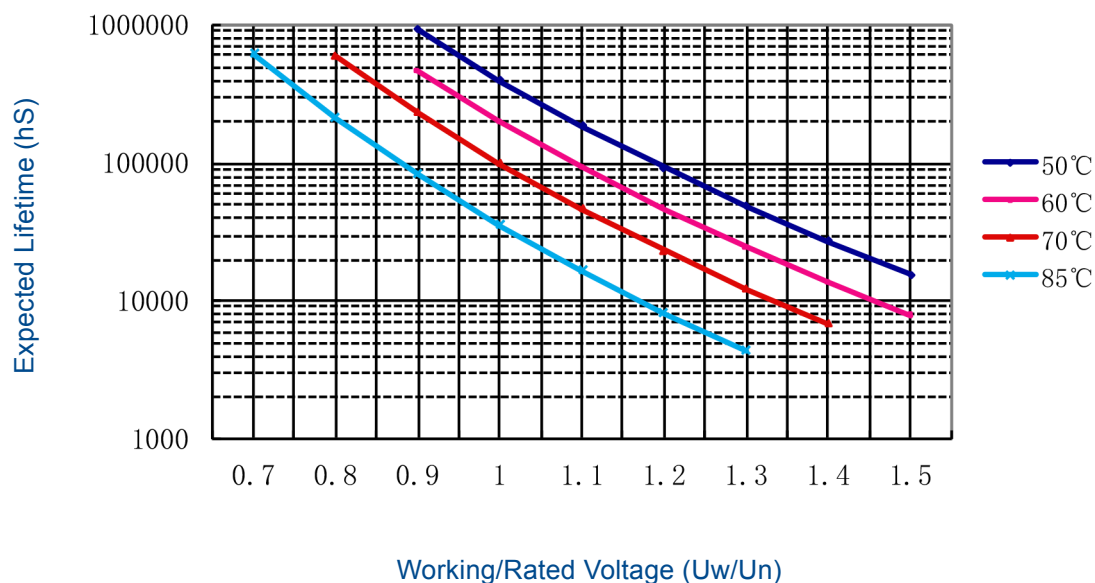
$$P_d = X_c \cdot I_{rms}^2 \cdot \tan\delta = I_{rms}^2 / (2 \cdot \pi \cdot f \cdot C) \cdot \tan\delta$$

Ths: Hot spot temperature within the capacitor

$$T_{hs} = T_a + (P_j + P_d) \cdot R_{th}$$

Design life: 100,000 hours at U_n @ Hot-Spot temperature $\leq +70^\circ\text{C}$

Expected Life Curve



■ CAUTIONS AND WARNING

- In case of dents of more than 1 mm depth or any other mechanical damage, capacitors must not be used at all.
- To ensure the full functionality, a minimum space of 12 mm has to be kept above each capacitor.
- Do not handle the capacitor before it is discharged.
- Check tightness of the connection/terminals periodically.
- It is necessary to verify that maximum hot-spot temperature is not exceeded at extreme condition.
- The threaded bottom stud of the capacitor has to be used for grounding. The maximum tightening torque is 15Nm
- Do not use or store capacitor in corrosive atmosphere, in the dusty environments regular maintenance and cleaning especially of the terminals is required to avoid conductive path between phase / or phase and ground.
- Do not have unlimited service life expectancy, the max service life expectancy may vary depending on the application the capacitor is used in.

Metallized Polypropylene Film Capacitor DC-Link Application (Customized Product for EV/HEV)

DPV

订购基本规格

EXPLANATION OF ARTICLE CODE

DPV-	107	K	45	A	1	X93
①	②	③	④	⑤	⑥	⑦

① Capacitor Type

TYPE	DPV
CODE	DPV-

② Rated Capacitance (EIA Code)

The rated capacitance value of the product is indicated with three digits. The first two digits indicate the two most significant digits of the capacitance value, and the third digit gives the number of following zeroes. This gives the capacitance value expressed in picofarads.

Example:

105	=	1,000,000pF	=	1,000nF	=	1uF
106	=	10,000,000pF	=	10,000nF	=	10uF

③ Capacitance Tolerance

TOLERANCE	±5%	±10%	±20%
CODE	J	K	M

④ Rated Voltage

Code for DC Voltage: (expressed in digit or letter code)

VOLTAGE	450V	500V	600V	700V	800V	900V
CODE	45	50	60	70	80	90

⑤ Total Terminals (Tinned Flat Copper and Screw Terminals)

Total Terminals	2	4	6	8	10	12
CODE	A	B	C	D	E	F

⑥ Case Material

Case Material	Aluminum	Plastic
CODE	1	2

⑦ Case Dimensions

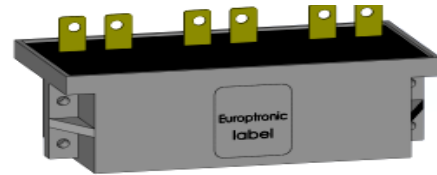
Total Terminals	140*50*72	237*50*72	140*50*72 ¹⁾	237*50*72 ¹⁾	180*100*69.5	180*60*60
CODE	X60	X61	X63	X64	X93	X95

Metallized Polypropylene Film Capacitor DC-Link Application (Customized Product for EV/HEV)

DPV

电动车专用直流滤波电容器

DPV series is DC-Link Capacitor constructed with metallized polypropylene film, plastic casing sealed with epoxy resin. These capacitors are specially customized for smoothing circuit (DC-Link) of IGBT inverter in electric vehicle (EV) and hybrid electric vehicle (HEV).



APPLICATION

DC link applications.

For EV or HEV.

FEATURES

Low ESR and ESL.

High peak current.

Long life time.

SPECIFICATIONS

Reference Standard:	IEC61071
Climatic Category:	40/85/21 IEC60068-1
Operating Temperature Range:	-40°C to +105°C
Rated Voltage:	450Vdc ~ 900Vdc
Capacitance Range:	300uF ~1800uF
Capacitance Tolerance:	±5% or ±10% at +25°C
Dissipation Factor (DF):	≤ 0.001 (0.1%) at 100Hz at +25°C
Test Voltage Between Terminals:	1.5 x rated voltage for 10s (terminal to terminal)
Test Voltage Terminal to Case:	3.0KVac 50 Hz for 10 sec at +25°C
Packaging:	Packed in cardboard boxes with protection for the terminals
Life Expectancy:	Refer to expected lifetime curves
RoHS Compliant:	Compliant with the restricted substance requirements of Directive 2002/95/EC

VOLTAGE REFERENCE

IGBT voltage	DPV capacitor	
	Rated voltage	Maximum voltage
650 -705	450	500
750	500	550
1200	900	950

Rated voltage is the continuous operating voltage taking into account for the calculation of the expected lifetime. The maximum voltage is the maximum operating voltage to be applied on the capacitor for short operations(up to 10% of the expected calculated lifetime)

Metallized Polypropylene Film Capacitor DC-Link Application (Customized Product for EV/HEV)

DPV

电动车专用直流滤波电容器

■ PRELIMINARY

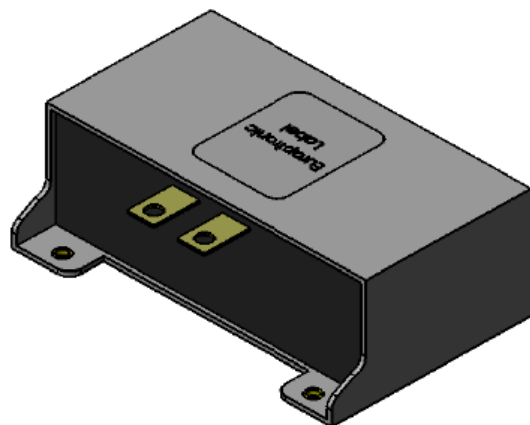


Fig.1a - for Infineon HybridPACK™1 IGBT

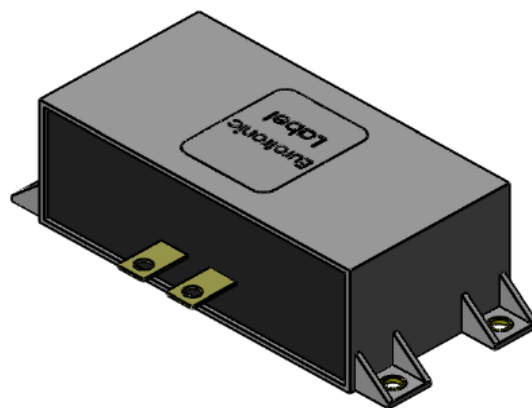


Fig.1b - for Infineon HybridPACK™1 IGBT
With side mounting terminals

HybridPACK™1 platform 650V - FS***R07A1**

Ordering Code	Cn μ F	Vndc V	I _{max} A	L _{self} n H	R _s mΩ	I _{pk} kA	I _s kA	DF max 100Hz	Dimension LxHxW	Weight kg	Fig.
DPV-307K45A2X60	300	450	120	30	0.8	0.9	2.7	10*10 ⁻⁴	140*72*50	0.8	1a
DPV-467K45A2X60	460	450	150	25	0.6	1.5	5.0	10*10 ⁻⁴	140*72*50	0.8	1a
DPV-567K45A2X60	560	450	150	25	0.6	1.8	5.6	10*10 ⁻⁴	140*72*50	0.8	1a
DPV-407K45A2X60	400	450	120	25	0.8	1.4	4.4	10*10 ⁻⁴	140*72*50	0.8	1a
DPV-507K45A2X60	500	450	120	25	0.8	1.6	5.0	10*10 ⁻⁴	140*72*50	0.8	1a
DPV-467K45A2X63	460	450	150	25	0.6	1.5	5.0	10*10 ⁻⁴	140*72*50	0.8	1b
DPV-567K45A2X63	560	450	150	25	0.6	1.8	5.6	10*10 ⁻⁴	140*72*50	0.8	1b
DPV-407K45A2X63	400	450	120	25	0.8	1.4	4.4	10*10 ⁻⁴	140*72*50	0.8	1b
DPV-507K45A2X63	500	450	120	25	0.8	1.6	5.0	10*10 ⁻⁴	140*72*50	0.8	1b

Notes:

- 1) I_{max}: considering maximum hot spot temperature at 105°C and cooling efficiency to be validated
- 2) Further mechanical configurations and capacitor values on request.
- 3) Dimension and drawing, please refer to datasheet.

Metallized Polypropylene Film Capacitor DC-Link Application (Customized Product for EV/HEV)

DPV

电动车专用直流滤波电容器

■ PRELIMINARY

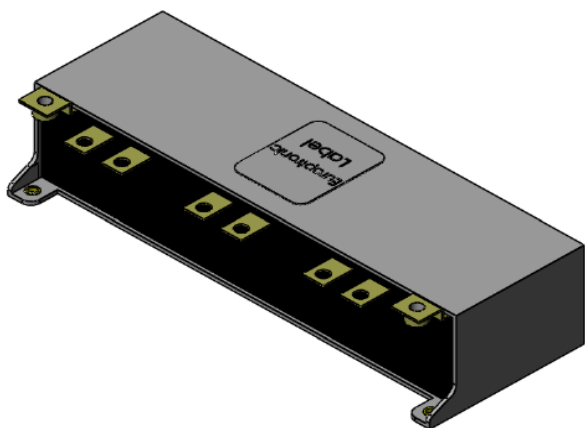


Fig.2a - for Infineon HybridPACK™2 IGBT

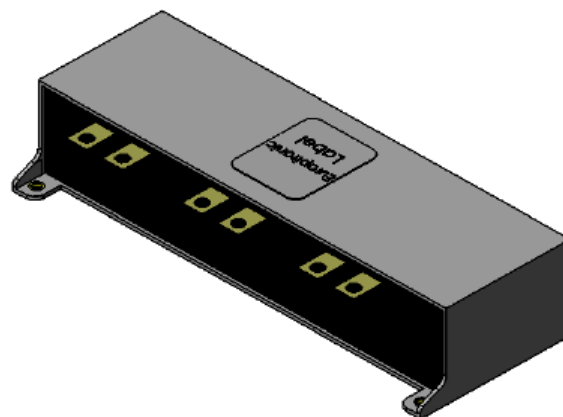


Fig.2b - for Infineon HybridPACK™2 IGBT

HybridPACK™2 platform 680V - FS***R07A2**

Ordering Code	Cn μ F	Vndc V	I _{max} A	L _{self} n H	R _s m Ω	I _{pk} kA	I _s kA	DF max 100Hz	Dimension LxHxW	Weight kg	Fig.
DPV-507K45D2X61	500	450	120	15	1.0	1.5	4.5	10*10 ⁻⁴	237*72*50	1.2	2a
DPV-707K45D2X61	700	450	190	15	0.5	2.5	7.5	10*10 ⁻⁴	237*72*50	1.2	2a
DPV-907K45D2X61	900	450	190	15	0.5	3.0	9.0	10*10 ⁻⁴	237*72*50	1.2	2a
DPV-108K45D2X61	1000	450	190	15	0.5	3.2	10.0	10*10 ⁻⁴	237*72*50	1.2	2a
DPV-507K45C2X61	500	450	170	15	0.7	1.8	5.5	10*10 ⁻⁴	237*72*50	1.2	2b
DPV-707K45D2X61	700	450	170	15	0.7	2.8	8.4	10*10 ⁻⁴	237*72*50	1.2	2a
DPV-707K45C2X61	700	450	170	15	0.7	2.8	8.4	10*10 ⁻⁴	237*72*50	1.2	2b
DPV-857K45D2X61	850	450	170	15	0.7	3.1	9.3	10*10 ⁻⁴	237*72*50	1.2	2a
DPV-857K45C2X61	850	450	170	15	0.7	3.1	9.3	10*10 ⁻⁴	237*72*50	1.2	2b
DPV-907K45D2X61	900	450	170	15	0.7	3.3	9.9	10*10 ⁻⁴	237*72*50	1.2	2a
DPV-907K45C2X61	900	450	170	15	0.7	3.3	9.9	10*10 ⁻⁴	237*72*50	1.2	2b

Notes:

- 1) I_{max}: considering maximum hot spot temperature at 105°C and cooling efficiency to be validated
- 2) Further mechanical configurations and capacitor values on request.
- 3) Dimension and drawing, please refer to datasheet.

Metallized Polypropylene Film Capacitor DC-Link Application (Customized Product for EV/HEV)

DPV

电动车专用直流滤波电容器

■ PRELIMINARY

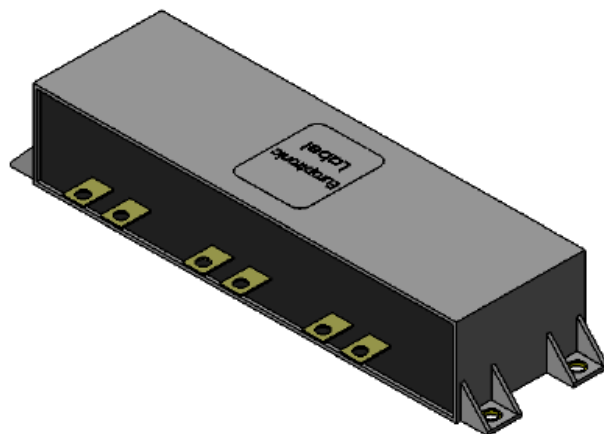
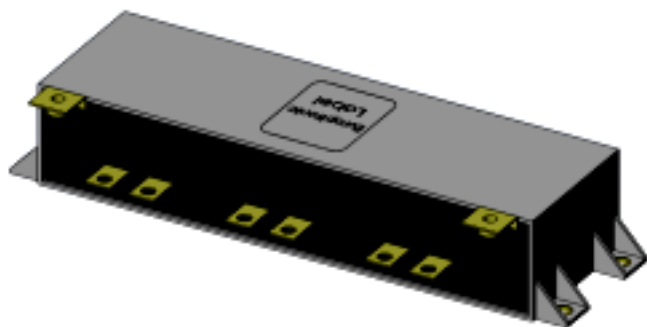


Fig.3a - for Infineon HybridPACK™2 IGBT with DC connectors and side mounting terminals

Fig.3b - for Infineon HybridPACK™2 IGBT with DC connectors and side mounting terminals

HybridPACK™2 platform 680V - FS***R07A2**

Ordering Code	Cn μ F	Vndc V	I _{max} A	L _{self} n H	R _s mΩ	I _{pk} kA	I _s kA	DF max 100Hz	Dimension LxHxW	Weight kg	Fig.
DPV-707K45D2X64	700	450	190	15	0.5	2.5	7.5	10*10 ⁻⁴	237*72*50	1.2	3a
DPV-907K45D2X64	900	450	190	15	0.5	3.0	9.0	10*10 ⁻⁴	237*72*50	1.2	3a
DPV-108K45D2X64	1000	450	190	15	0.5	3.2	10.0	10*10 ⁻⁴	237*72*50	1.2	3a
DPV-507K45D2X64	500	450	170	15	0.7	1.8	5.5	10*10 ⁻⁴	237*72*50	1.2	3a
DPV-507K45C2X64	500	450	170	15	0.7	1.8	5.5	10*10 ⁻⁴	237*72*50	1.2	3b
DPV-707K45C2X64	700	450	170	15	0.7	2.8	8.4	10*10 ⁻⁴	237*72*50	1.2	3b
DPV-857K45D2X64	850	450	170	15	0.7	3.1	9.3	10*10 ⁻⁴	237*72*50	1.2	3a
DPV-857K45C2X64	850	450	170	15	0.7	3.1	9.3	10*10 ⁻⁴	237*72*50	1.2	3b
DPV-907K45D2X64	900	450	170	15	0.7	3.3	9.9	10*10 ⁻⁴	237*72*50	1.2	3a
DPV-907K45C2X64	900	450	170	15	0.7	3.3	9.9	10*10 ⁻⁴	237*72*50	1.2	3b

Notes:

- 1) I_{max}: considering maximum hot spot temperature at 105°C and cooling efficiency to be validated
- 2) Further mechanical configurations and capacitor values on request.
- 3) Dimension and drawing, please refer to datasheet.

Metallized Polypropylene Film Capacitor DC-Link Application (Customized Product for EV/HEV)

DPV

电动车专用直流滤波电容器

■ PRELIMINARY

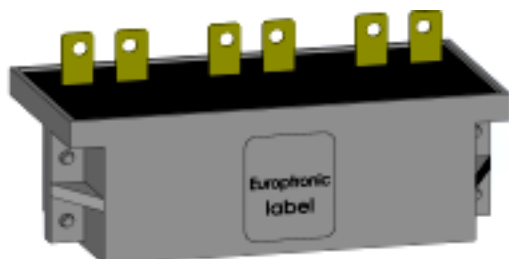


Fig.4a - for others IGBT

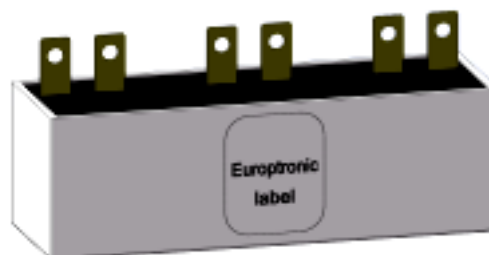


Fig.5a - for others IGBT

Ordering Code	Cn μ F	Vndc V	I _{max} A	L _{self} nH	R _s m Ω	I _{pk} kA	I _s kA	DF max 100Hz	Dimension LxHxW	Weight kg	Fig.
DPV-807K50C2X93	800	500	230	30	0.7	4	12	10*10 ⁻⁴	180*69.5*100	1.5	Fig.4a
DPV-507K80C2X93	500	800	160	30	0.7	4	12	10*10 ⁻⁴	180*69.5*100	1.5	Fig.4a
DPV-607K45C2X95	600	450	200	20	0.6	3	9	10*10 ⁻⁴	180*60*60	1.0	Fig.5a
DPV-457K60C2X95	450	600	160	20	0.7	3	9	10*10 ⁻⁴	180*60*60	1.0	Fig.5a

Notes:

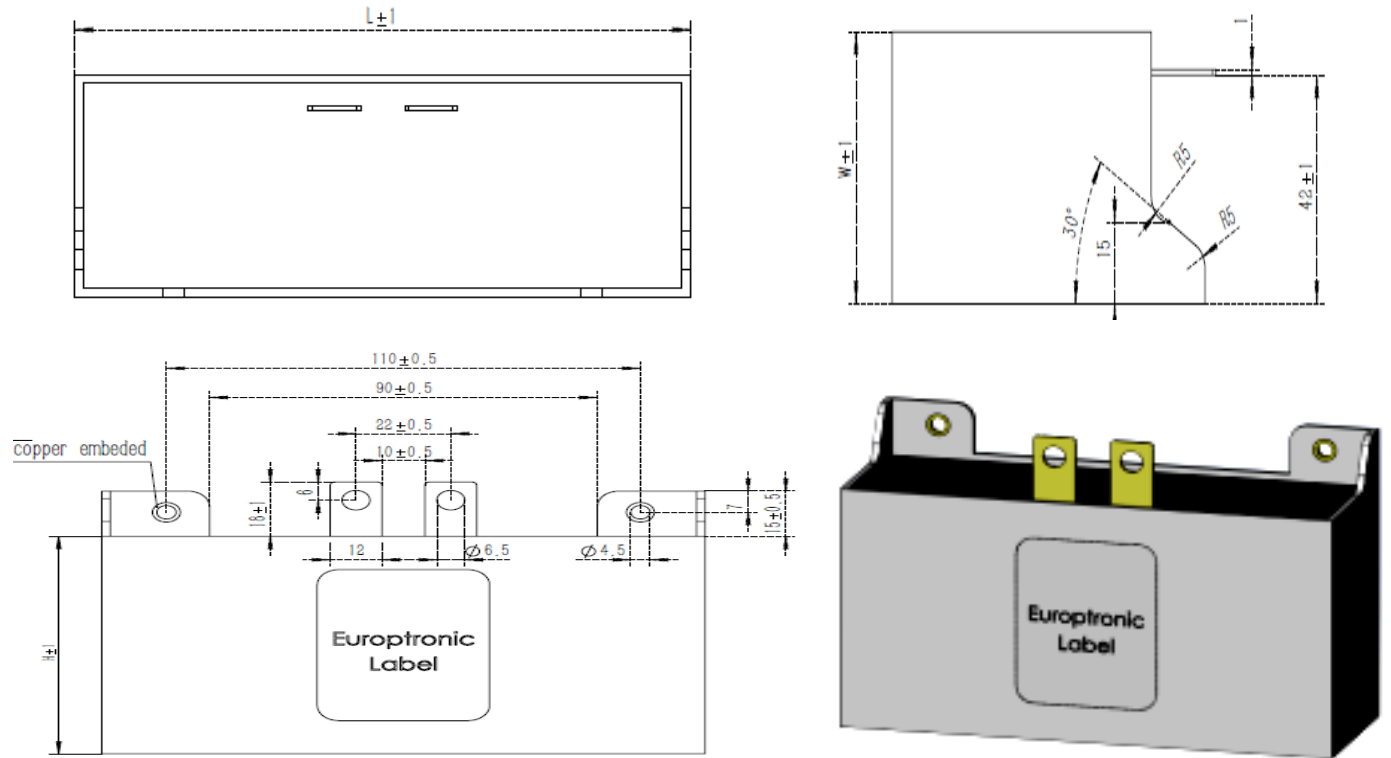
- 1) I_{max}: considering maximum hot spot temperature at 105°C and cooling efficiency to be validated
- 2) Further mechanical configurations and capacitor values on request.
- 3) Dimension and drawing, please refer to datasheet.

Metallized Polypropylene Film Capacitor DC-Link Application (Customized Product for EV/HEV)

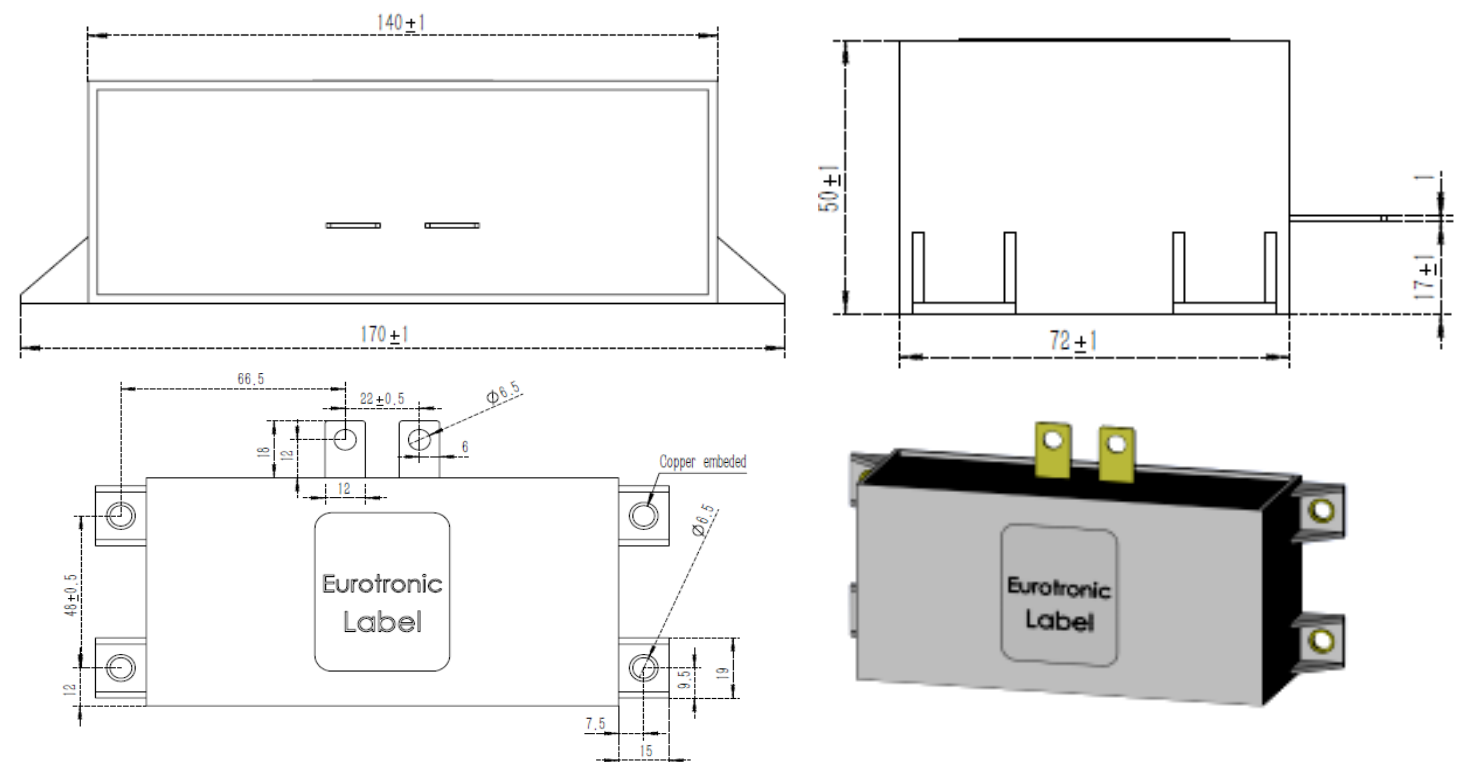
DPV

电动车专用直流滤波电容器

PRELIMINARY DIMENSION AND DRAWING (Fig. 1a)



PRELIMINARY DIMENSION AND DRAWING (Fig. 1b)

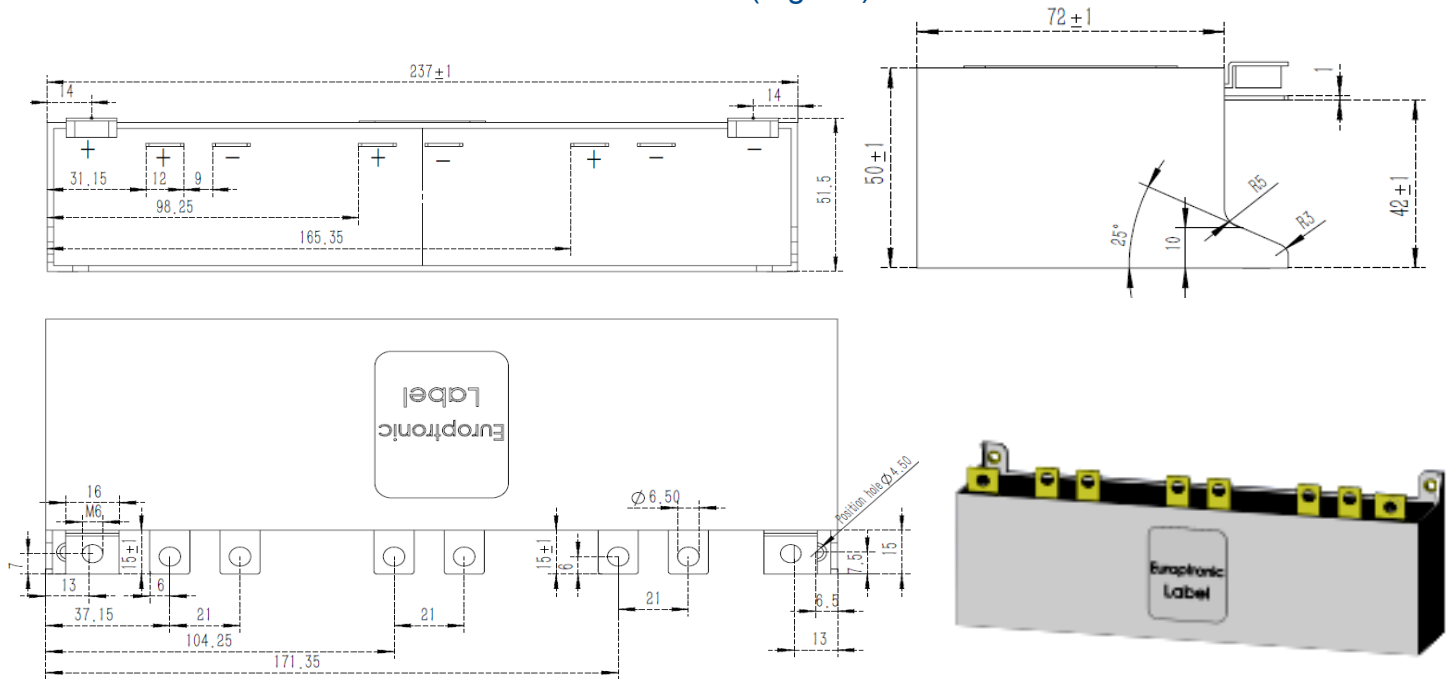


Metallized Polypropylene Film Capacitor DC-Link Application (Customized Product for EV/HEV)

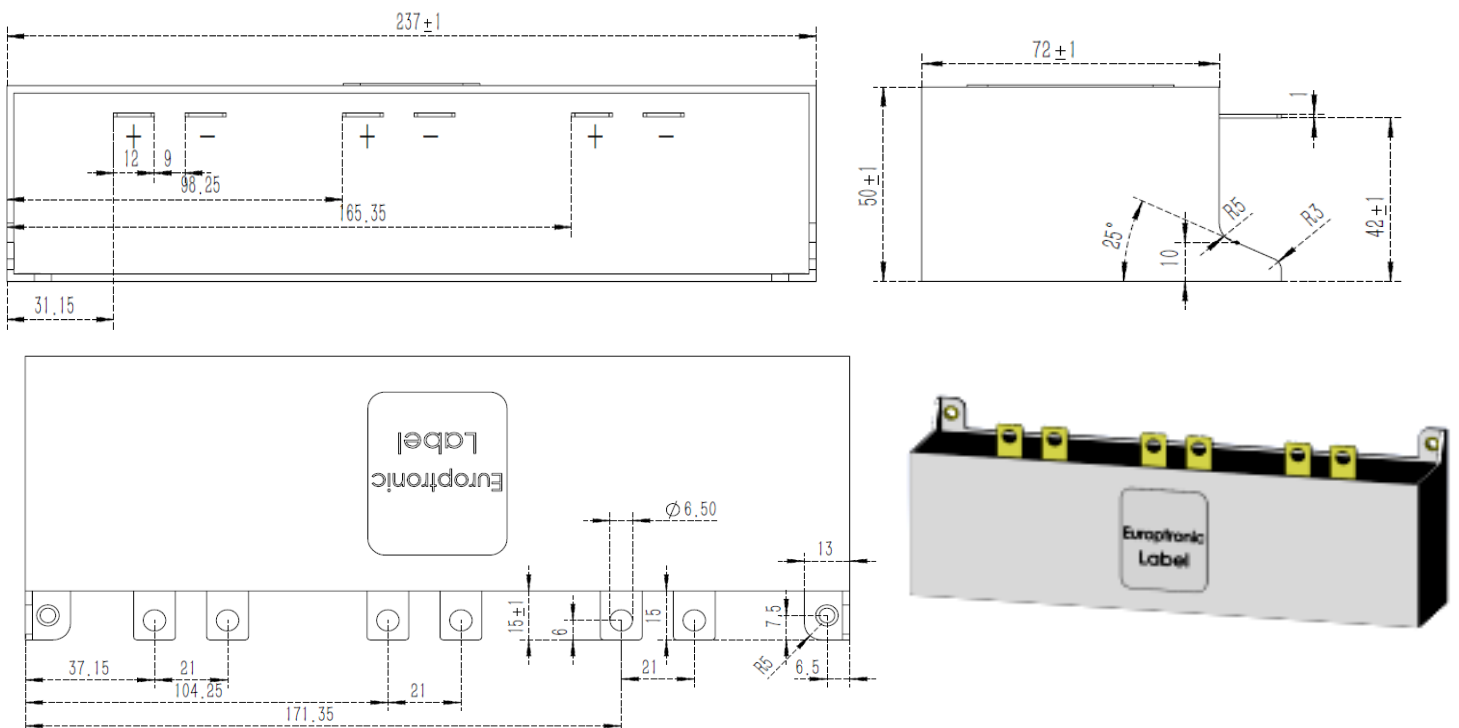
DPV

电动车专用直流滤波电容器

PRELIMINARY DIMENSION AND DRAWING (Fig. 2a)



PRELIMINARY DIMENSION AND DRAWING (Fig. 2b)

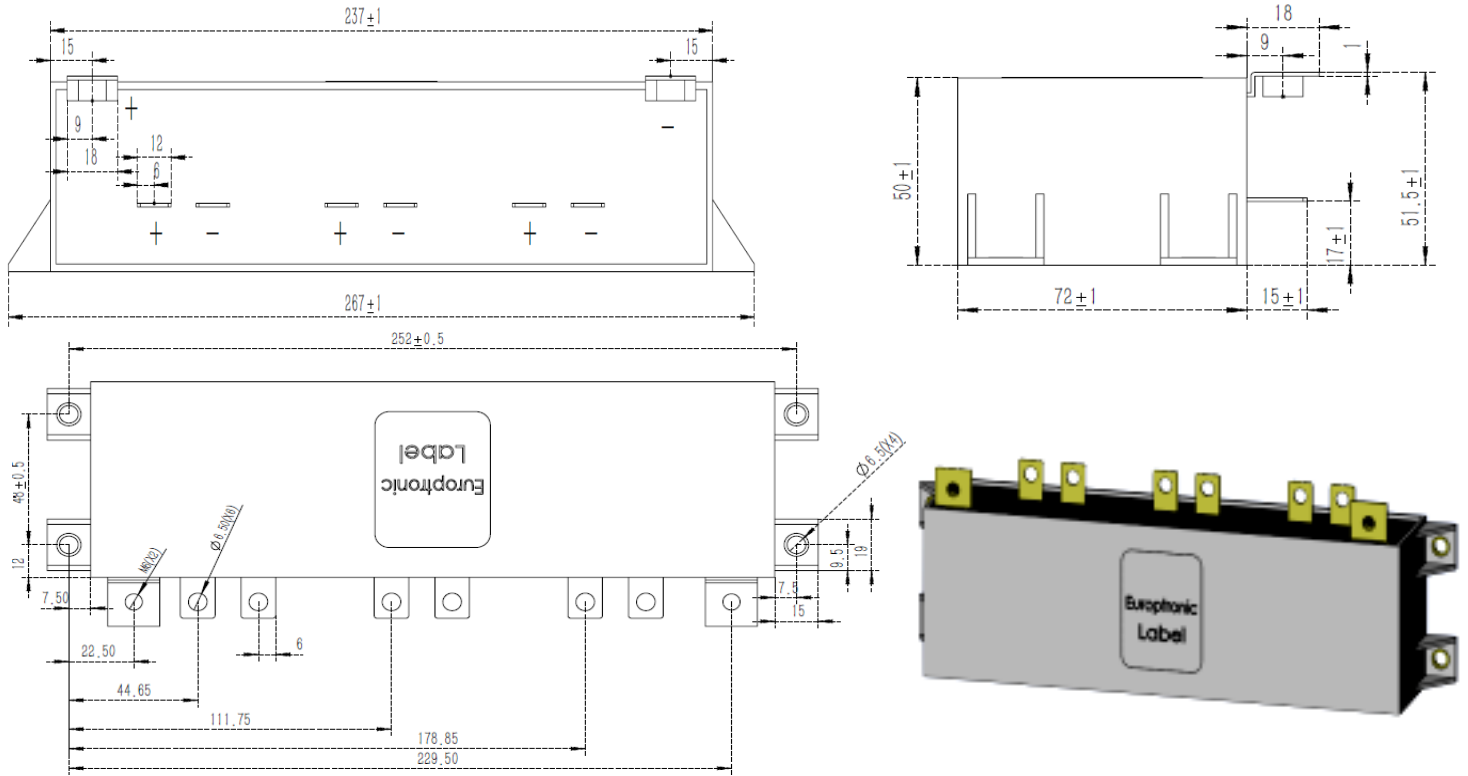


Metallized Polypropylene Film Capacitor DC-Link Application (Customized Product for EV/HEV)

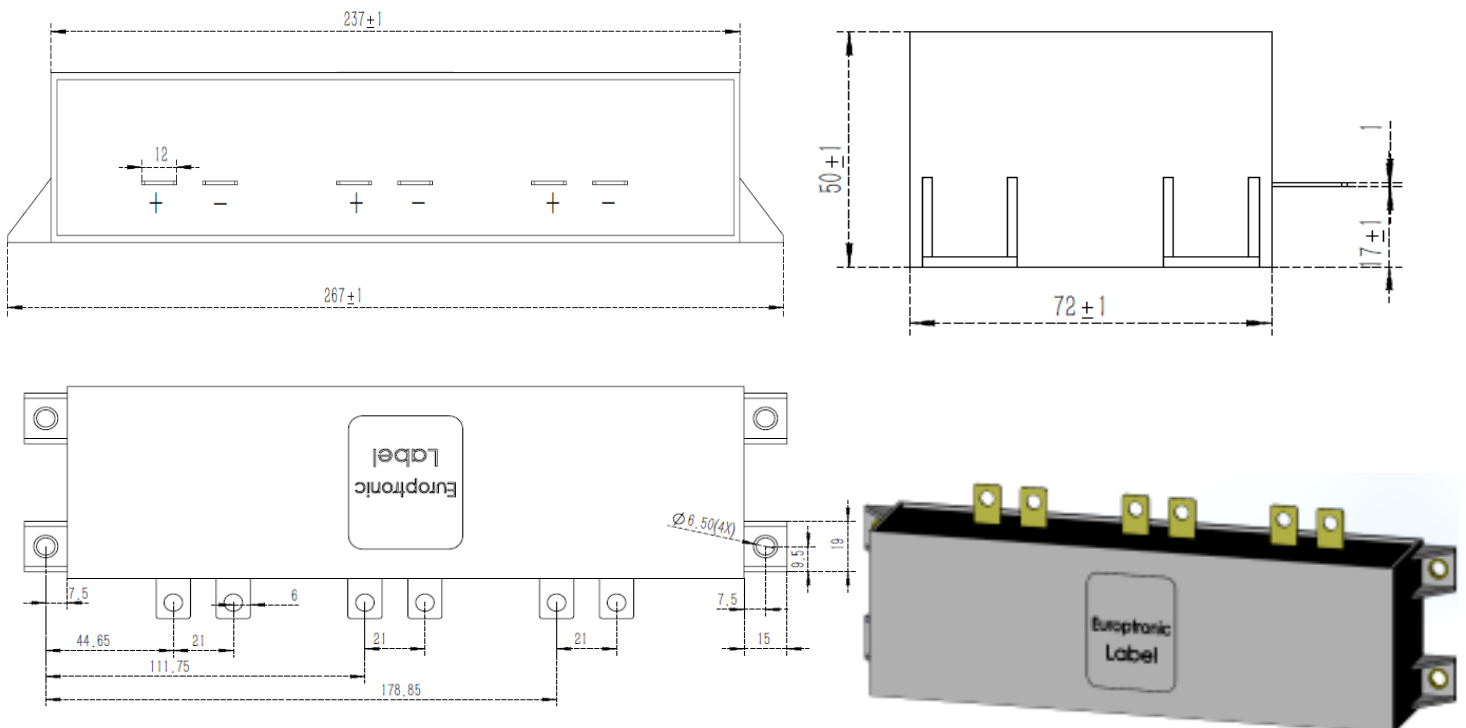
DPV

电动车专用直流滤波电容器

PRELIMINARY DIMENSION AND DRAWING (Fig. 3a)



PRELIMINARY DIMENSION AND DRAWING (Fig. 3b)

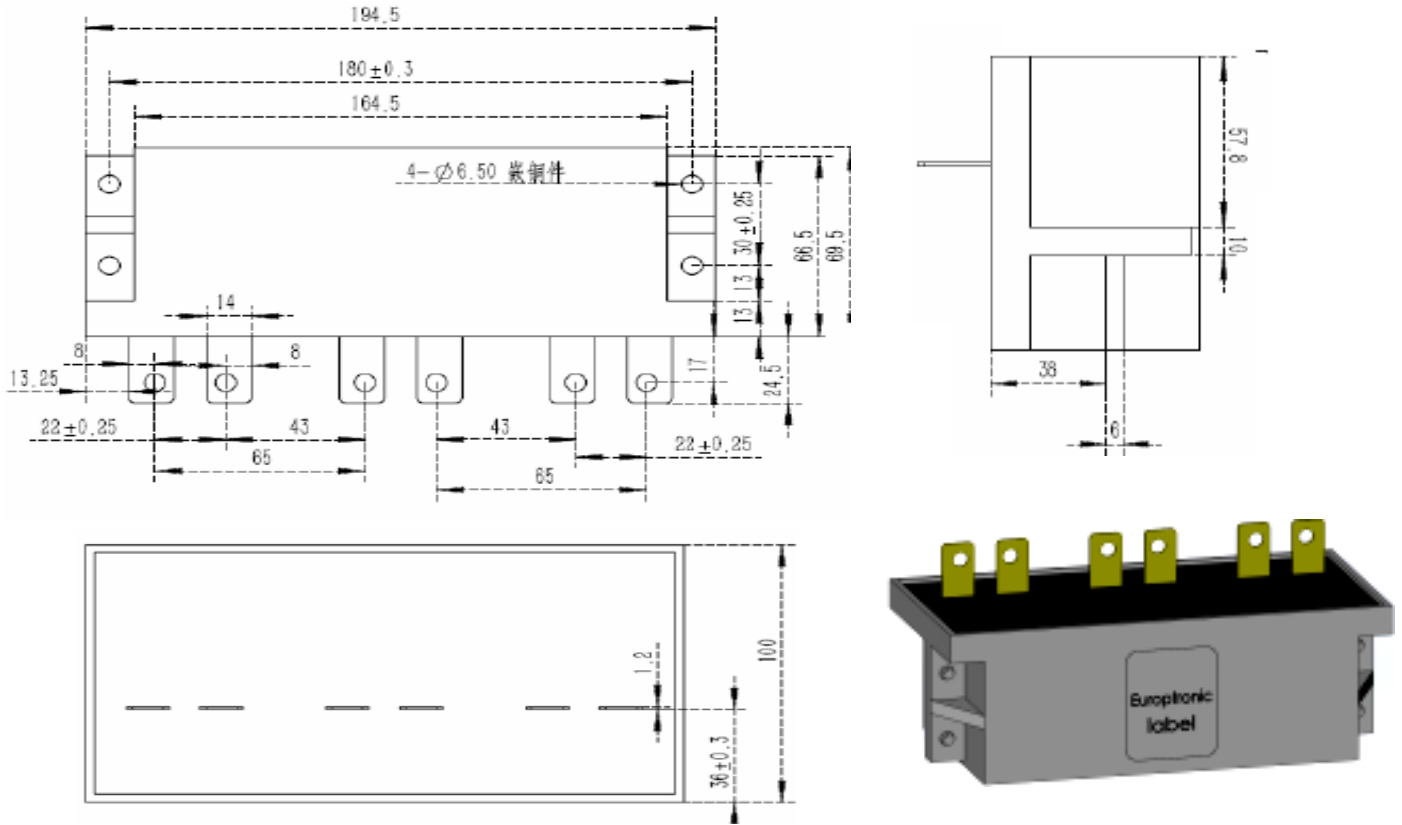


Metallized Polypropylene Film Capacitor DC-Link Application (Customized Product for EV/HEV)

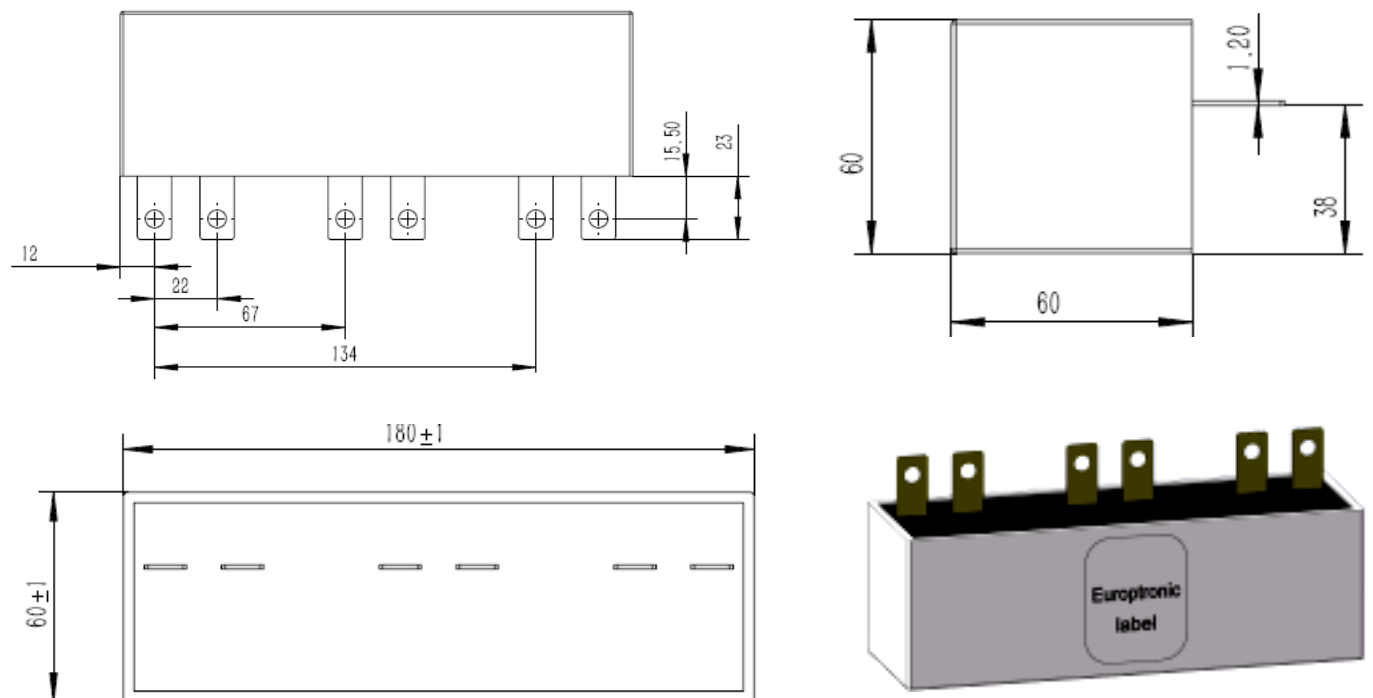
DPV

电动车专用直流滤波电容器

PRELIMINARY DIMENSION AND DRAWING (Fig. 4a)



PRELIMINARY DIMENSION AND DRAWING (Fig. 5a)



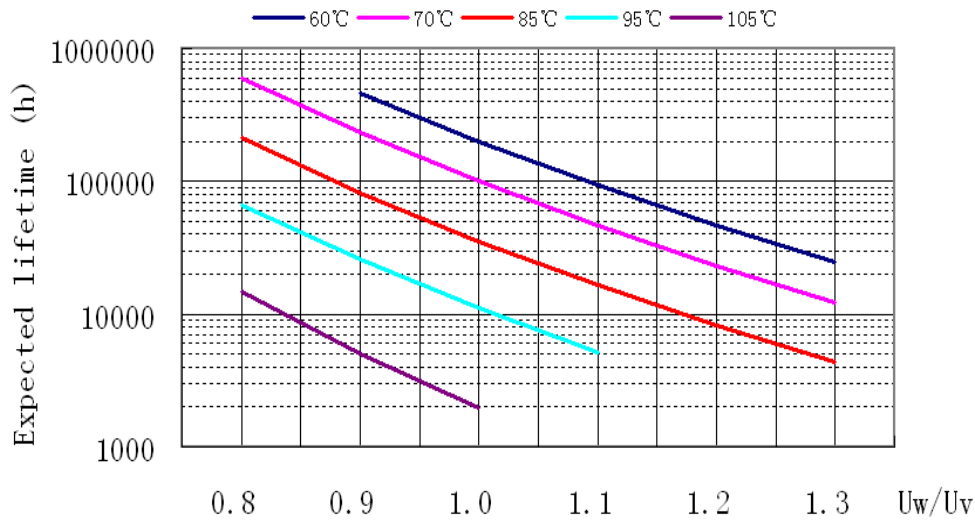
Metallized Polypropylene Film Capacitor DC-Link Application (Customized Product for EV/HEV)

DPV

电动车专用直流滤波电容器

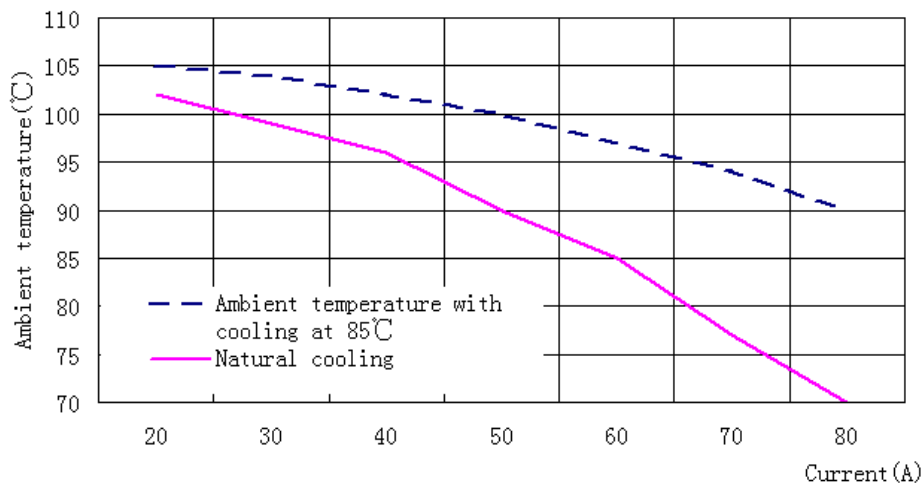
CURVES

Curve 1. Expected lifetime curves



Curve 2. Maximum ambient temperature curve

taking DPV-307K45A2X60 for example, others will be available on request.



Metallized Polypropylene Film Capacitor DC-Link Application (Stainless Steel Customized Product)

DPS

订购基本规格

EXPLANATION OF ARTICLE CODE

DPS-	328	K	0700	A	F	D
①	②	③	④	⑤	⑥	⑦

① Capacitor Type

TYPE	DPS
CODE	DPS-

② Rated Capacitance (EIA Code)

The rated capacitance value of the product is indicated with three digits. The first two digits indicate the two most significant digits of the capacitance value, and the third digit gives the number of following zeroes. This give the capacitance value expressed in picofarads.

Example:

105	=	1,000,000pF	=	1,000nF	=	1uF
106	=	10,000,000pF	=	10,000nF	=	10uF

③ Capacitance Tolerance

TOLERANCE	±5%	±10%	±20%
CODE	J	K	M

④ Rated Voltage

Code for DC voltage express in four digits or letter code.

VOLTAGE	450V	600V	800V	1000V	1200V	1500V	2000v	2500v	3000v
CODE	0450	0600	0800	1000	1200	1500	2000	2500	3000

⑤ Case Material

FORM	Aluminum Case	Stainless Steel
CODE	A	S

⑥ Case Type

Case Type	Rectangular	Cylinder
CODE	F	R

⑦ Filled Material

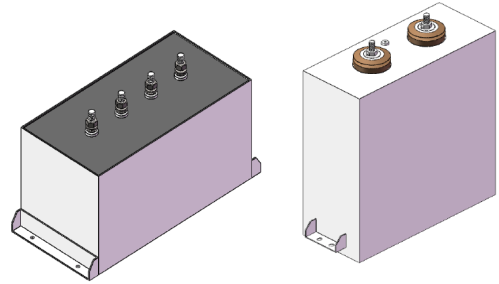
Material	Resin	Oil
CODE	D	L

Metallized Polypropylene Film Capacitor DC-Link Application (Stainless Steel Customized Product)

DPS

直流支撑电容器

DPS series is High capacity DC-Link Capacitor constructed with metallized polypropylene film, aluminium or stainless steel casing sealed with epoxy resin or oil. This capacitor is suitable for use in DC filter circuits and energy storage.



APPLICATION

DC link applications.

Energy storage.

Solar and Windmill inverter.

FEATURES

High ripple current.

Self-healing properties.

Low losses and low ESR.

Long life and high capacitance density.

SPECIFICATIONS

Reference Standard:	IEC61071
Climatic Category:	40/85/21 IEC60068-1
Operating Temperature Range:	-40°C to +70°C
Rated Voltage:	450Vdc ~ 3000Vdc
Capacitance Range:	1000uF ~20000uF
Capacitance Tolerance:	±5% or ±10% at +25°C
Dissipation Factor (DF):	≤ 0.002 (0.2%) at 100Hz at +25°C
Test Voltage Between Terminals:	1.5 x rated voltage for 10s (terminal to terminal)
Test Voltage Terminal to Case:	4.0KVac 50 Hz for 10 sec at +25°C
Max Hot-spot Temperature:	≤ +85°C
Life Expectancy:	100,000 hours at Un @ Hot-Spot temperature T=+70°C
Permissible Humidity:	Annual average ≤95% on 30days/ year. Dewing not admissible
Max rms current (Irms max):	140Arms to 300Arms
Storage Temperature:	-40°C ~ +85°C
Over Voltage:	1.1Un up to 8h / day 1.15Un up to 30 min / day 1.2Un up to 5 min/day, only 200 times in the life of the capacitor 1.3Un up to 1 min/day, only 200 times in the life of the capacitor

Metallized Polypropylene Film Capacitor DC-Link Application (Stainless Steel Customized Product)

DPS

直流支撑电容器

■ DIMENSIONS

FIG 1. 2 TERMINALS

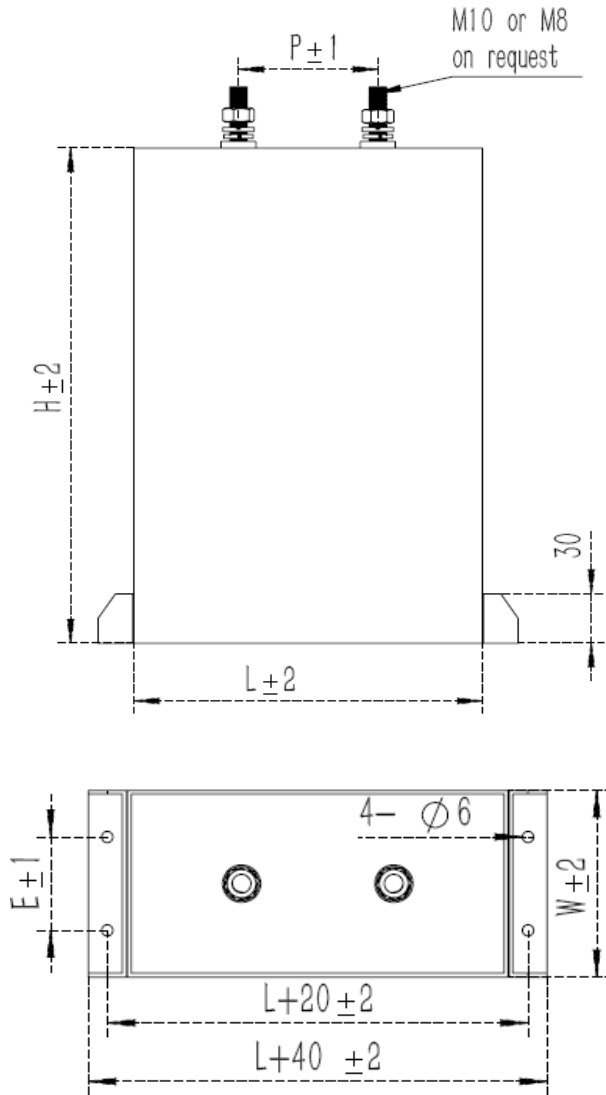
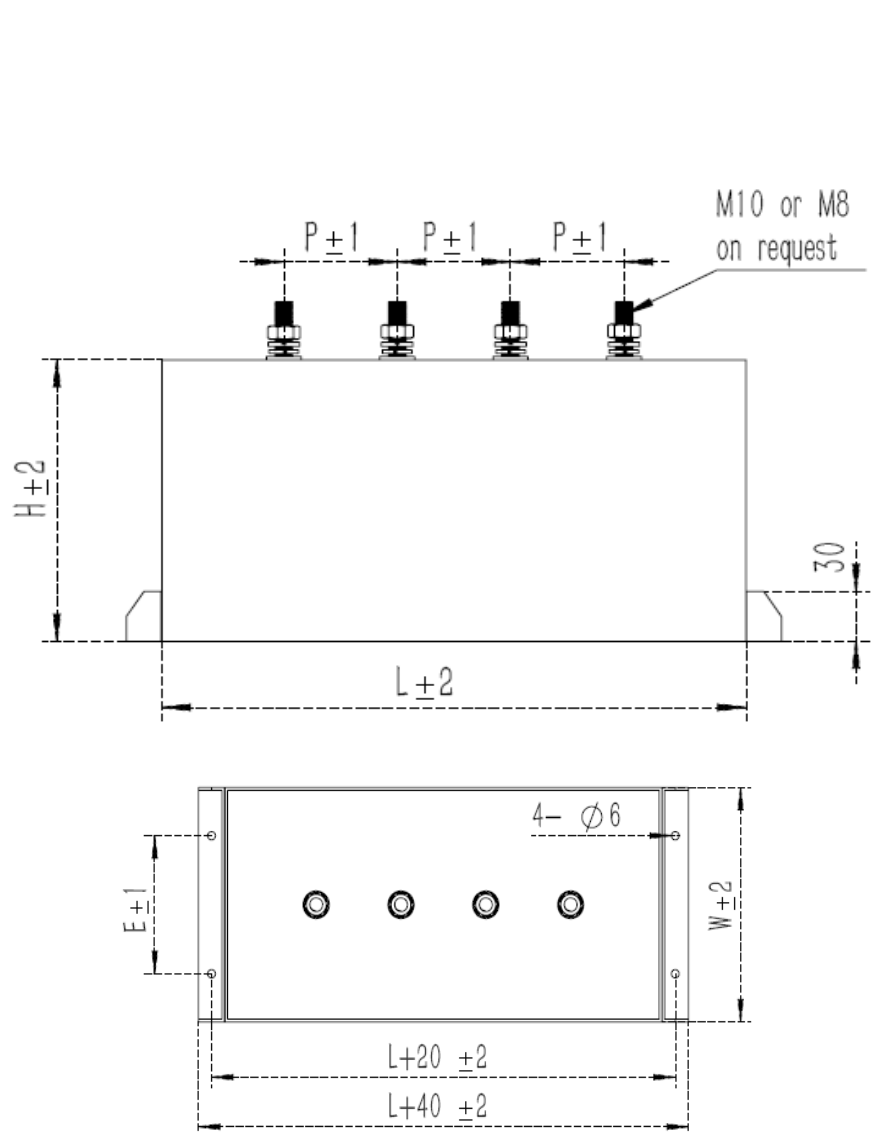


FIG 2. 4 TERMINALS



Notes:

Male or female terminals on request, others detail dimension on request.

Metallized Polypropylene Film Capacitor DC-Link Application (Stainless Steel Customized Product)

DPS

直流支撑电容器

DIMENSIONS

FIG 3. 6 TERMINALS

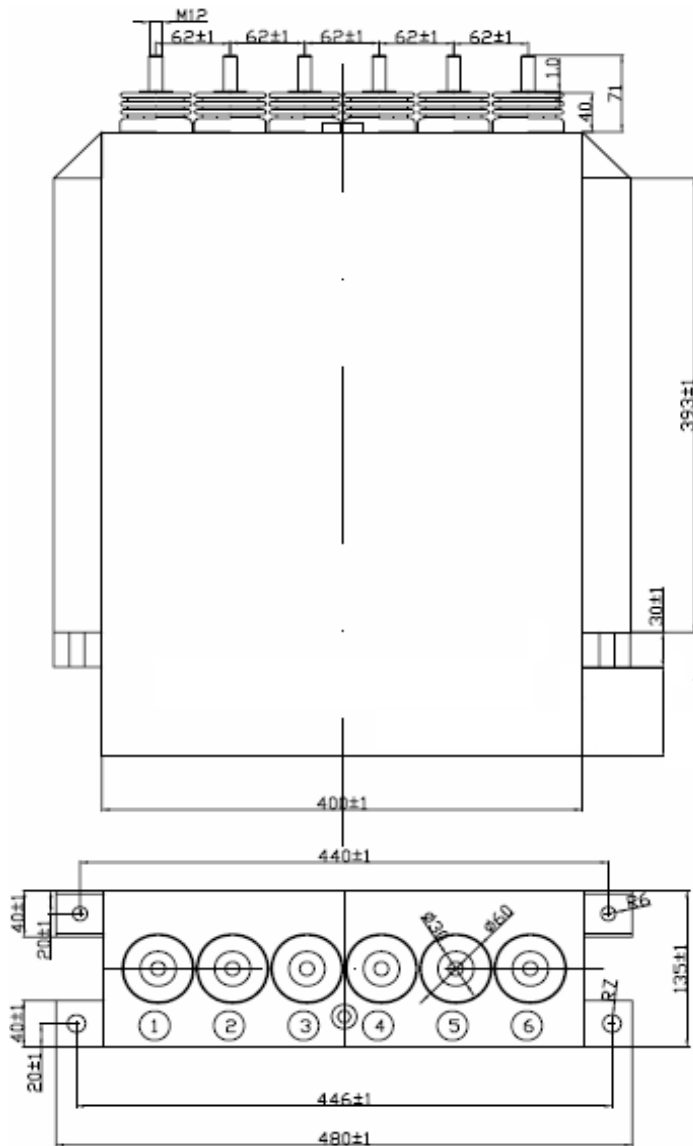
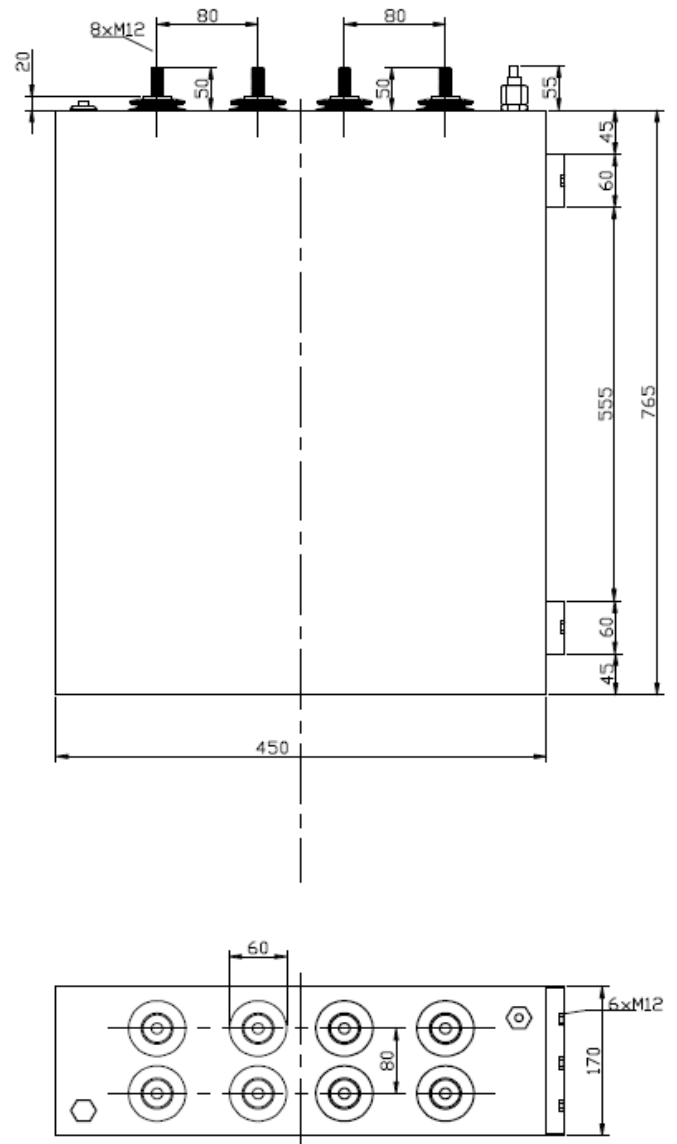


FIG 4. 8 TERMINALS



Notes:

Male or female terminals on request, others detail dimension on request.

Metallized Polypropylene Film Capacitor DC-Link Application (Stainless Steel Customized Product)

DPS

直流支撑电容器

■ PART NUMBER REFERENCE AND DIMENSIONS

No	Ordering Code	Un(Vdc)	Cn(uF)	Dimension (mm)			Case type
				L	H	W	
1	DPS-328J0700AFD	700	3200	180	190	200	Fig 1
2	DPS-158J0800AFD	800	1500	306	99	145	Fig 2.
3	DPS-118J1000AFD	1000	1100	430	108	130	Fig 2.
4	DPS-658J0800AFD	800	6500	340	245	125	Fig 2.
5	DPS-179J0950SFD*	950	17500	400	540	135	Fig 3.
6	DPS-199K1300SFD*	1300	19000	450	765	170	Fig 4.

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

AC-Filter Capacitor

Series	Capacitance	Rated Voltage	Application	Page
APB	0.47uF ~ 50.0uF	160Vac ~ 450Vac	AC Filtering UPS System & Solar Inverter Motor Drives	113
APBG (THB)	0.47uF ~ 50.0uF	160Vac ~ 450Vac	AC Filtering UPS System & Solar Inverter Motor Drives	118
APW	0.47uF ~ 40.0uF	160Vac ~ 450Vac	AC Filtering UPS System & Solar Inverter Motor Drives	122
APWG (THB)	0.47uF ~ 40.0uF	160Vac ~ 450Vac	AC Filtering UPS System & Solar Inverter Motor Drives	127
APM	10uF ~ 600uF	250Vac ~ 690Vac	PFC & AC Filtering UPS System & Solar Inverter Power Converter	131
APT	3*20.3uF ~ 3*335uF	230Vac ~ 690Vac	PFC & AC Filtering Solar and Windmill Inverter Large Skill Inverter	137
APA	2uF ~ 100uF	~450Vac	AC Filtering AC Motor Run	142
APR	15+1.5uF ~ 80+15uF	~450Vac	AC Filtering AC Motor Run	146

Metallized Polypropylene Film Capacitor(Radial Lead) AC Application

APB/APBG

订购基本规格

EXPLANATION OF ARTICLE CODE

APB -	106	K	35	4	52	D	5
①	②	③	④	⑤	⑥	⑦	⑧

① Capacitor Type

TYPE	APB	APBG
CODE	APB-	APBG

② Rated Capacitance (EIA Code)

The rated capacitance value of the product is indicated with three digits. The first two digits indicate the two most significant digits of the capacitance value, and the third digit gives the number of following zeroes. This give the capacitance value expressed in picofarads.

Example:

105	=	1,000,000pF	=	1,000nF	=	1uF
106	=	10,000,000pF	=	10,000nF	=	10uF

③ Capacitance Tolerance

TOLERANCE	±5%	±10%	±20%
CODE	J	K	M

④ Rated Voltage

Code for AC Voltage: (expressed in one digit & one letter code)

VOLTAGE	250VAC	300VAC	350VAC
CODE	25	30	35

⑤ Lead Configuration

LEAD TYPE	2 Lead		4 Lead
	Long	Cut	Cut
CODE	L	B	4

⑥ Lead Pitch(P) Unit: mm

Lead Pitch	27.5	37.5	52.5	57.5
CODE	27	37	52	57

⑦ Lead Pitch(P1) Unit: mm

Lead Pitch	5.1	10.2	12.7	16.0	20.3	0.0
CODE	A	B	G	C	D	L

⑧ Lead Length

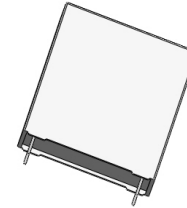
TYPE	Long	Cut
LENGTH	15mm(min)	5.0
CODE	L	5

Metallized Polypropylene Film Capacitor(Radial Lead) AC Application

APB

交流滤波电容器

APB series is constructed with metallized polypropylene film, rectangular plastic casing sealed with epoxy resin. They are suitable for use in AC filter circuits, UPS systems, Solar Inverter, Industrial Inverter and available with 2 or 4 pins.



APPLICATION

AC filter applications.

UPS systems.

Solar inverter and industrial power supply.

FEATURES

High ripple current.

Self-healing properties.

High capacitance density.

Suitable for high frequency applications.

SPECIFICATIONS

Reference Standard:	IEC61071
Climatic Category:	40/85/21 IEC60068-1
Operating Temperature Range:	-40°C to +105°C
Rated Voltage:	160Vac ~ 450Vac
Capacitance Range:	0.47uF ~50uF
Capacitance Tolerance:	±5% or ±10% at +25°C
Dissipation Factor (DF):	≤ 0.002 (0.2%) at 1kHz at +25°C
Test Voltage Between Terminals:	2.15 x rated voltage for 10s (terminal to terminal)
Test Voltage Terminal to Case:	3.0KVac 50 Hz for 10 sec at +25°C
Insulation Resistance:	IR x C ≥ 10,000 Seconds at 100VDC 1 minute at +25°C
Life Expectancy:	100,000 hours at Un @ Hot-Spot temperature T=+85°C
Leads:	Tinned copper wires, standard lead wire length 5 ±1mm
Packaging:	Packed in cardboard boxes with protection for the leads
RoHS Compliant:	Compliant with the restricted substance requirements of Directive 2002/95/EC

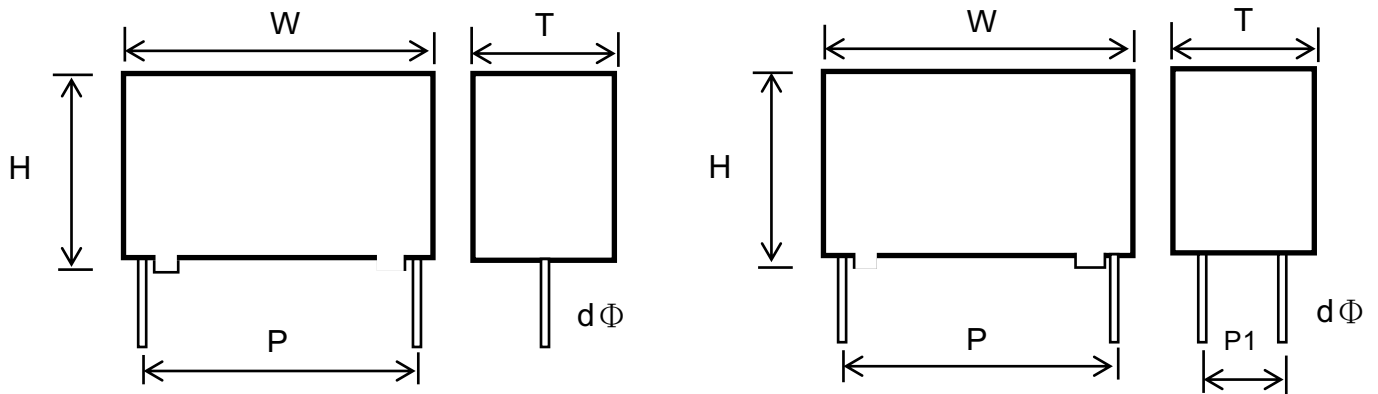
Metallized Polypropylene Film Capacitor(Radial Lead) AC Application

APB

交流滤波电容器

OUTLINE DRAWING

Unit: mm



LEAD WIRES AND DIMENSIONS

Unit: mm

Number of wires	Lead spacing	Lead diameter
	$P \pm 0.5$	$d\Phi \pm 0.1$
	mm	mm
2 - pin	27.5	0.8
2 - pin	37.5	1.0
4 - pin	37.5	1.2
4 - pin	52.5	1.2

PLASTIC CASE DIMENSIONS

Unit: mm

Case Code	W	H	T	P
	± 1	± 1	± 1	± 0.5
R10	32	20	11	27.5
R20	32	22	13	27.5
R50	32	28	14	27.5
R80	32	33	18	27.5
R94	32	37	22	27.5
T10	42.5	45	30	37.5
T33	42.5	40	20	37.5
T42	42.5	37	28	37.5
K10	57.5	45	30	52.5
K20	57.5	50	35	52.5

Metallized Polypropylene Film Capacitor(Radial Lead) AC Application

APB

交流滤波电容器

■ PART NUMBER REFERENCE AND DIMENSIONS

Vac	Cap	Dimensions					I _{rms} 10KHz 70°C A	Peak Current A	ESR _{10K} Typical mΩ	ESL nH	Thermal Res °C/W	dv/dt V/us	Lead Wire mm	Part Number
	Value	W	H	T	P	P1								
	uF	mm	mm	mm	mm	mm								
160	1	32	20	11	27.5	\	5	32	30.3	24	19.8	32	0.8	APB-105K16B27L5AR10
160	2.2	32	20	11	27.5	\	7	70.4	15.3	24	20.0	32	0.8	APB-225K16B27L5AR10
160	3.3	32	22	13	27.5	\	7	105.6	11.3	24	27.1	32	0.8	APB-335K16B27L5AR20
160	5	32	28	14	27.5	\	7	160	8.8	26	34.8	32	0.8	APB-505K16B27L5AR50
160	10	32	33	18	27.5	\	7	320	6.8	26	45.0	32	0.8	APB-106K16B27L5AR80
160	10	42.5	37	28	37.5	10.2	12	220	7.2	30	14.5	22	1.2	APB-106K16437B5AT42
160	20	42.5	37	28	37.5	10.2	12	440	6.9	30	15.1	22	1.2	APB-206K16437B5AT42
160	30	42.5	45	30	37.5	20.3	12	660	7.4	30	14.1	22	1.2	APB-306K16437D5AT10
160	40	57.5	45	30	52.5	20.3	12	640	7.6	35	13.7	16	1.2	APB-406K16452D5AK10
160	50	57.5	50	35	52.5	20.3	12	800	7.5	35	13.9	16	1.2	APB-506K16452D5AK20
250	1	32	20	11	27.5	\	8	40	14.0	24	16.7	40	0.8	APB-105K25B27L5AR10
250	1.5	32	20	11	27.5	\	8	60	10.0	24	23.4	40	0.8	APB-155K25B27L5AR10
250	2	32	22	13	27.5	\	9	80	8.2	24	22.6	40	0.8	APB-205K25B27L5AR20
250	3.3	32	28	14	27.5	\	9	132	6.2	26	29.9	40	0.8	APB-335K25B27L5AR50
250	4	32	33	18	27.5	\	9	160	5.9	26	31.4	40	0.8	APB-405K25B27L5AR80
250	5	32	33	18	27.5	\	9	200	5.2	26	35.6	40	0.8	APB-505K25B27L5AR80
250	6.8	32	37	22	27.5	\	9	272	4.9	28	15.6	40	0.8	APB-685K25B27L5AR94
250	10	42.5	40	20	37.5	10.2	14	300	5.6	30	13.7	30	1.2	APB-106K25437B5AT33
250	15	42.5	37	28	37.5	10.2	14	450	5.2	30	14.7	30	1.2	APB-156K25437B5AT42
250	20	42.5	45	30	37.5	20.3	14	600	4.8	30	15.9	30	1.2	APB-206K25437D5AT10
250	25	57.5	45	30	52.5	20.3	14	625	5.7	35	13.4	25	1.2	APB-256K25452D5AK10
250	30	57.5	45	30	52.5	20.3	14	750	5.3	35	14.4	25	1.2	APB-306K25452D5AK10
250	35	57.5	50	35	52.5	20.3	14	875	5.5	35	13.9	25	1.2	APB-356K25452D5AK20
250	40	57.5	50	35	52.5	20.3	14	1000	5.2	35	14.7	25	1.2	APB-406K25452D5AK20
275	1	32	20	11	27.5	\	8	40	13.0	24	18.0	40	0.8	APB-105K27B27L5AR10
275	3.3	32	33	18	27.5	\	9	132	6.2	26	29.9	40	0.8	APB-335K27B27L5AR80
275	6.8	32	37	22	27.5	\	9	272	4.7	28	39.4	40	0.8	APB-685K27B27L5AR94
275	10	42.5	40	20	37.5	10.2	14	300	5.9	30	13.0	30	1.2	APB-106K27437B5AT33
275	15	42.5	45	30	37.5	20.3	14	450	5.1	30	15.0	30	1.2	APB-156K27437D5AT10
275	20	57.5	45	30	52.5	20.3	14	500	6.0	35	12.8	25	1.2	APB-206K27452D5AK10
275	30	57.5	50	35	52.5	20.3	14	750	5.3	35	14.4	25	1.2	APB-306K27452D5AK20
350	0.68	32	20	11	27.5	\	8	30.6	15.0	24	15.6	45	0.8	APB-684K35B27L5AR10
350	1	32	22	13	27.5	\	9	45	10.9	24	17	45	0.8	APB-105K35B27L5AR20
350	2	32	33	18	27.5	\	9	90	7.3	26	25.4	45	0.8	APB-205K35B27L5AR80
350	2.2	32	33	18	27.5	\	9	99	6.9	26	26.8	45	0.8	APB-225K35B27L5AR80
350	3.3	32	37	22	27.5	\	9	148.5	5.7	28	32.5	45	0.8	APB-335K35B27L5AR94
350	4.7	42.5	40	20	37.5	10.2	14	159.8	6.9	30	11.1	34	1.2	APB-475K35437B5AT33
350	5	42.5	40	20	37.5	10.2	14	170	6.8	30	11.3	34	1.2	APB-505K35437B5AT33
350	6.8	42.5	37	28	37.5	10.2	14	231.2	6.2	30	12.3	34	1.2	APB-685K35437B5AT42
350	10	42.5	45	30	37.5	20.3	14	340	5.3	30	14.4	34	1.2	APB-106K35437D5AT10
350	12	57.5	45	30	52.5	20.3	14	336	6.8	35	11.3	28	1.2	APB-126K35452D5AK10
350	20	57.5	50	35	52.5	20.3	14	560	5.9	35	13.0	28	1.2	APB-206K35452D5AK20
400	0.47	32	20	11	27.5	\	7	23.5	18.6	24	16.5	50	0.8	APB-474K40B27L5AR10
400	1	32	28	14	27.5	\	9	50	10.3	26	18	50	0.8	APB-105K40B27L5AR50
400	1.5	32	33	18	27.5	\	9	75	8.1	26	22.9	50	0.8	APB-155K40B27L5AR80
400	2.2	32	33	18	27.5	\	9	110	6.4	26	28.9	50	0.8	APB-225K40B27L5AR80
400	3	32	37	22	27.5	\	9	150	5.7	28	32.5	50	0.8	APB-305K40B27L5AR94
400	5	42.5	37	28	37.5	10.2	14	200	6.2	30	12.3	40	1.2	APB-505K40437B5AT42
400	10	57.5	45	30	52.5	20.3	14	350	6.9	35	11.1	35	1.2	APB-106K40452D5AK10
400	15	57.5	50	35	52.5	20.3	14	525	6.1	35	12.5	35	1.2	APB-156K40452D5AK20

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

Metallized Polypropylene Film Capacitor(Radial Lead) AC Application

APB

交流滤波电容器

■ PART NUMBER REFERENCE AND DIMENSIONS

Vac	Cap	Dimensions					Irms 10KHz 70°C A	Peak Current A	ESR _{10K} Typical mΩ	ESL nH	Thermal Res °C/W	dv/dt V/us	Lead	Part Number
	Value	W	H	T	P	P1							Wire	
	uF	mm	mm	mm	mm	mm							mm	
450	0.22	32	20	11	27.5	\	5	12.1	30.9	24	19.4	55	0.8	APB-224K45B27L5AR10
450	0.47	32	22	13	27.5	\	8	25.85	15.7	24	14.9	55	0.8	APB-474K45B27L5AR20
450	1	32	33	18	27.5	\	8	55	9.2	26	25.5	55	0.8	APB-105K45B27L5AR80
450	1.5	32	37	22	27.5	\	8	82.5	7.3	28	32.1	55	0.8	APB-155K45B27L5AR94
450	3.3	42.5	37	28	37.5	10.2	14	148.5	7.4	30	10.3	45	1.2	APB-335K45437B5AT42
450	4.7	42.5	45	30	37.5	20.3	14	211.5	6.2	30	12.3	45	1.2	APB-475K45437D5AT10
450	6.8	57.5	45	30	52.5	20.3	14	258.4	7.5	35	10.2	38	1.2	APB-685K45452D5AK10
450	10	57.5	50	35	52.5	20.3	14	380	6.6	35	11.6	38	1.2	APB-106K45452D5AK20

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

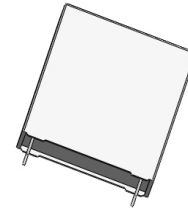
* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

Metallized Polypropylene Film Capacitor(Radial Lead) AC Application (THB for Severe Ambient Conditions)

APBG

高温高湿交流滤波电容器

APBG series is constructed with metallized polypropylene film, encapsulated in self-extinguishing solvent resistant plastic case and sealed with epoxy resin material meeting UL-94V-0 requirements., They are suitable for application with severe ambient conditions and harsh environment.



APPLICATION

AC filter applications.

UPS systems.

Solar inverter and industrial power supply.

FEATURES

High stability of capacitance under severe ambient condition.

High ripple current.

Self-healing properties.

Suitable for high frequency applications.

SPECIFICATIONS

Reference Standard:	IEC61071
Climatic Category:	40/85/21 IEC60068-1
Operating Temperature Range:	-40°C to +105°C
Rated Voltage:	160Vac ~ 450Vac
Capacitance Range:	0.47uF ~50uF
Capacitance Tolerance:	±5% or ±10% at +25°C
Dissipation Factor (DF):	≤ 0.002 (0.2%) at 1kHz at +25°C
Test Voltage Between Terminals:	2.15 x rated voltage for 10s (terminal to terminal)
Test Voltage Terminal to Case:	3.0KVac 50 Hz for 10 sec at +25°C
Insulation Resistance:	IR x C ≥ 10,000 Seconds at 100VDC 1 minute at +25°C
Life Expectancy:	100,000 hours at Un @ Hot-Spot temperature T=+85°C
Leads:	Tinned copper wires, standard lead wire length 5 ±1mm
Packaging:	Packed in cardboard boxes with protection for the leads
RoHS Compliant:	Compliant with the restricted substance requirements of Directive 2002/95/EC
THB Test (Damp heat test with loading):	Temperature : 85°C ± 2°C ; Humidity : 85% ± 2%
	Loading Voltage: Rated voltage (50Hz/60Hz) ;
	Duration: 1000 hours
	Capacitance change(ΔC/C): ≤20%

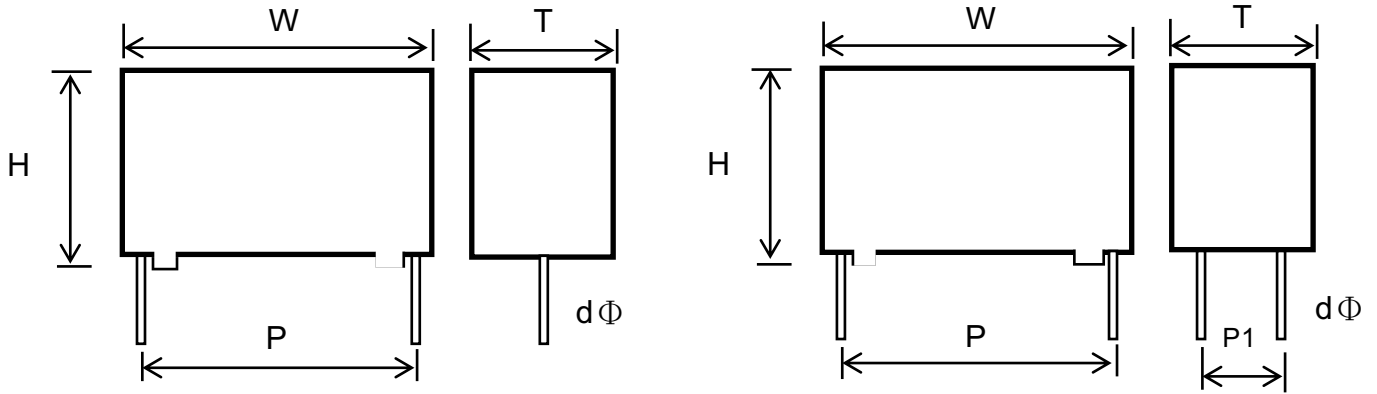
Metallized Polypropylene Film Capacitor(Radial Lead) AC Application (THB for Severe Ambient Conditions)

APBG

高温高湿交流滤波电容器

OUTLINE DRAWING

Unit: mm



LEAD WIRES AND DIMENSIONS

Unit: mm

Number of wires	Lead spacing	Lead diameter
	$P \pm 0.5$	$d\Phi \pm 0.1$
	mm	mm
2 - pin	27.5	0.8
2 - pin	37.5	1.0
4 - pin	37.5	1.2
4 - pin	52.5	1.2

PLASTIC CASE DIMENSIONS

Unit: mm

Case Code	W	H	T	P
	± 1	± 1	± 1	± 0.5
R10	32	20	11	27.5
R20	32	22	13	27.5
R50	32	28	14	27.5
R80	32	33	18	27.5
R94	32	37	22	27.5
T10	42.5	45	30	37.5
T33	42.5	40	20	37.5
T42	42.5	37	28	37.5
K10	57.5	45	30	52.5
K20	57.5	50	35	52.5

Metallized Polypropylene Film Capacitor(Radial Lead) AC Application (THB for Severe Ambient Conditions)

APBG

高温高湿交流滤波电容器

■ PART NUMBER REFERENCE AND DIMENSIONS

Vac	Cap	Dimensions					Irms 10KHz 70°C A	Peak Current A	ESR _{10K} Typical mΩ	ESL nH	Thermal Res °C/W	dv/dt V/us	Lead Wire mm	Part Number
	Value	W	H	T	P	P1								
	uF	mm	mm	mm	mm	mm								
160	1	32	20	11	27.5	\	5	32	30.3	24	19.8	32	0.8	APBG105K16B27L5AR10
160	2.2	32	20	11	27.5	\	7	70.4	15.3	24	20.0	32	0.8	APBG225K16B27L5AR10
160	3.3	32	22	13	27.5	\	7	105.6	11.3	24	27.1	32	0.8	APBG335K16B27L5AR20
160	5	32	28	14	27.5	\	7	160	8.8	26	34.8	32	0.8	APBG505K16B27L5AR50
160	10	32	33	18	27.5	\	7	320	6.8	26	45.0	32	0.8	APBG106K16B27L5AR80
160	10	42.5	37	28	37.5	10.2	12	220	7.2	30	14.5	22	1.2	APBG106K16437B5AT42
160	20	42.5	37	28	37.5	10.2	12	440	6.9	30	15.1	22	1.2	APBG206K16437B5AT42
160	30	42.5	45	30	37.5	20.3	12	660	7.4	30	14.1	22	1.2	APBG306K16437D5AT10
160	40	57.5	45	30	52.5	20.3	12	640	7.6	35	13.7	16	1.2	APBG406K16452D5AK10
160	50	57.5	50	35	52.5	20.3	12	800	7.5	35	13.9	16	1.2	APBG506K16452D5AK20
250	1	32	20	11	27.5	\	8	40	14.0	24	16.7	40	0.8	APBG105K25B27L5AR10
250	1.5	32	20	11	27.5	\	8	60	10.0	24	23.4	40	0.8	APBG155K25B27L5AR10
250	2	32	22	13	27.5	\	9	80	8.2	24	22.6	40	0.8	APBG205K25B27L5AR20
250	3.3	32	28	14	27.5	\	9	132	6.2	26	29.9	40	0.8	APBG335K25B27L5AR50
250	4	32	33	18	27.5	\	9	160	5.9	26	31.4	40	0.8	APBG405K25B27L5AR80
250	5	32	33	18	27.5	\	9	200	5.2	26	35.6	40	0.8	APBG505K25B27L5AR80
250	6.8	32	37	22	27.5	\	9	272	4.9	28	15.6	40	1.2	APBG685K25B27L5AR94
250	10	42.5	40	20	37.5	10.2	14	300	5.6	30	13.7	30	1.2	APBG106K25437B5AT33
250	15	42.5	37	28	37.5	10.2	14	450	5.2	30	14.7	30	1.2	APBG156K25437B5AT42
250	20	42.5	45	30	37.5	20.3	14	600	4.8	30	15.9	30	1.2	APBG206K25437D5AT10
250	25	57.5	45	30	52.5	20.3	14	625	5.7	35	13.4	25	1.2	APBG256K25452D5AK10
250	30	57.5	45	30	52.5	20.3	14	750	5.3	35	14.4	25	1.2	APBG306K25452D5AK10
250	35	57.5	50	35	52.5	20.3	14	875	5.5	35	13.9	25	1.2	APBG356K25452D5AK20
250	40	57.5	50	35	52.5	20.3	14	1000	5.2	35	14.7	25	1.2	APBG406K25452D5AK20
275	1	32	20	11	27.5	\	8	40	13.0	24	18.0	40	0.8	APBG105K27B27L5AR10
275	3.3	32	33	18	27.5	\	9	132	6.2	26	29.9	40	0.8	APBG335K27B27L5AR80
275	6.8	32	37	22	27.5	\	9	272	4.7	28	39.4	40	0.8	APBG685K27B27L5AR94
275	10	42.5	40	20	37.5	10.2	14	300	5.9	30	13.0	30	1.2	APBG106K27437B5AT33
275	15	42.5	45	30	37.5	20.3	14	450	5.1	30	15.0	30	1.2	APBG156K27437D5AT10
275	20	57.5	45	30	52.5	20.3	14	500	6.0	35	12.8	25	1.2	APBG206K27452D5AK10
275	30	57.5	50	35	52.5	20.3	14	750	5.3	35	14.4	25	1.2	APBG306K27452D5AK20
350	0.68	32	20	11	27.5	\	8	30.6	15.0	24	15.6	45	0.8	APBG684K35B27L5AR10
350	1	32	22	13	27.5	\	9	45	10.9	24	17	45	0.8	APBG105K35B27L5AR20
350	2	32	33	18	27.5	\	9	90	7.3	26	25.4	45	0.8	APBG205K35B27L5AR80
350	2.2	32	33	18	27.5	\	9	99	6.9	26	26.8	45	0.8	APBG225K35B27L5AR80
350	3.3	32	37	22	27.5	\	9	148.5	5.7	28	32.5	45	0.8	APBG335K35B27L5AR94
350	4.7	42.5	40	20	37.5	10.2	14	159.8	6.9	30	11.1	34	1.2	APBG475K35437B5AT33
350	5	42.5	40	20	37.5	10.2	14	170	6.8	30	11.3	34	1.2	APBG505K35437B5AT33
350	6.8	42.5	37	28	37.5	10.2	14	231.2	6.2	30	12.3	34	1.2	APBG685K35437B5AT42
350	10	42.5	45	30	37.5	20.3	14	340	5.3	30	14.4	34	1.2	APBG106K35437D5AT10
350	12	57.5	45	30	52.5	20.3	14	336	6.8	35	11.3	28	1.2	APBG126K35452D5AK10
350	20	57.5	50	35	52.5	20.3	14	560	5.9	35	13.0	28	1.2	APBG206K35452D5AK20
400	0.47	32	20	11	27.5	\	7	23.5	18.6	24	16.5	50	0.8	APBG474K40B27L5AR10
400	1	32	28	14	27.5	\	9	50	10.3	26	18	50	0.8	APBG105K40B27L5AR50
400	1.5	32	33	18	27.5	\	9	75	8.1	26	22.9	50	0.8	APBG155K40B27L5AR80
400	2.2	32	33	18	27.5	\	9	110	6.4	26	28.9	50	0.8	APBG225K40B27L5AR80
400	3	32	37	22	27.5	\	9	150	5.7	28	32.5	50	0.8	APBG305K40B27L5AR94
400	5	42.5	37	28	37.5	10.2	14	200	6.2	30	12.3	40	1.2	APBG505K40437B5AT42
400	10	57.5	45	30	52.5	20.3	14	350	6.9	35	11.1	35	1.2	APBG106K40452D5AK10
400	15	57.5	50	35	52.5	20.3	14	525	6.1	35	12.5	35	1.2	APBG156K40452D5AK20

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

Metallized Polypropylene Film Capacitor(Radial Lead) AC Application (THB for Severe Ambient Conditions)

APBG

高温高湿交流滤波电容器

■ PART NUMBER REFERENCE AND DIMENSIONS

Vac	Cap	Dimensions					Irms 10KHz 70°C A	Peak Current A	ESR _{10K} Typical mΩ	ESL nH	Thermal Res °C/W	dv/dt V/us	Lead Wire mm	Part Number
	Value	W	H	T	P	P1								
	uF	mm	mm	mm	mm	mm								
450	0.22	32	20	11	27.5	\	5	12.1	30.9	24	19.4	55	0.8	APBG224K45B27L5AR10
450	0.47	32	22	13	27.5	\	8	25.85	15.7	24	14.9	55	0.8	APBG474K45B27L5AR20
450	1	32	33	18	27.5	\	8	55	9.2	26	25.5	55	0.8	APBG105K45B27L5AR80
450	1.5	32	37	22	27.5	\	8	82.5	7.3	28	32.1	55	0.8	APBG155K45B27L5AR94
450	3.3	42.5	37	28	37.5	10.2	14	148.5	7.4	30	10.3	45	1.2	APBG335K45437B5AT42
450	4.7	42.5	45	30	37.5	20.3	14	211.5	6.2	30	12.3	45	1.2	APBG475K45437D5AT10
450	6.8	57.5	45	30	52.5	20.3	14	258.4	7.5	35	10.2	38	1.2	APBG685K45452D5AK10
450	10	57.5	50	35	52.5	20.3	14	380	6.6	35	11.6	38	1.2	APBG106K45452D5AK20

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

Metallized Polypropylene Film Capacitor(Axial Lead) AC Application

APW/APWG

订购基本规格

EXPLANATION OF ARTICLE CODE

A P W -	1 0 5	K	1 6	A	2 2	L	L
①	②	③	④	⑤	⑥	⑦	⑧

① Capacitor Type

TYPE	APW	APWG
CODE	APW-	APWG

② Rated Capacitance (EIA Code)

The rated capacitance value of the product is indicated with three digits. The first two digits indicate the two most significant digits of the capacitance value, and the third digit gives the number of following zeroes. This give the capacitance value expressed in picofarads.

Example:

105	=	1,000,000pF	=	1,000nF	=	1uF
106	=	10,000,000pF	=	10,000nF	=	10uF

③ Capacitance Tolerance



TOLERANCE	±5%	±10%	±20%
CODE	J	K	M

④ Rated Voltage

Code for AC Voltage: (expressed in two digit code)

VOLTAGE	160V	250V	330V	400V	450V
CODE	16	25	33	40	45

⑤ Lead Configuration

CODE	A	
LEAD TYPE		

⑥ Lead Pitch Unit: mm

Lead Pitch	34.0	44.0	57.0
CODE	34	44	57

⑦ Lead Forming Pitch

Lead Pitch	N/A
CODE	L

⑧ Lead Length

Lead Pitch	N/A
CODE	L

Metallized Polypropylene Film Capacitor(Axial Lead) AC Application

APW

轴型交流滤波电容

APW series is constructed with metallized polypropylene and sealed with polyester tape and epoxy resin material. They are suitable for AC filtering circuits in UPS systems, solar inverter and motor drive.



■ APPLICATION

AC filter applications.

UPS systems.

Solar inverter and industrial power supply.

■ FEATURES

High ripple current.

Self-healing properties.

High capacitance density.

Suitable for high frequency applications.

■ SPECIFICATIONS

Reference Standard:	IEC61071
Climatic Category:	40/85/21 IEC60068-1
Operating Temperature Range:	-40°C to +105°C
Rated Voltage:	160Vac ~ 450Vac
Capacitance Range:	0.47uF ~40uF
Capacitance Tolerance:	±5% or ±10% at +25°C
Dissipation Factor (DF):	≤ 0.002 (0.2%) at 1kHz at +25°C
Test Voltage Between Terminals:	2.15 x rated voltage for 10s (terminal to terminal)
Test Voltage Terminal to Case:	3.0KVac 50 Hz for 10 sec at +25°C
Insulation Resistance:	IR x C≥10,000 Seconds at 100VDC 1 minute at +25°C
Life Expectancy:	100,000 hours at Un @ Hot-Spot temperature T=+85°C
Leads:	Tinned copper wires.
Packaging:	Packed in cardboard boxes with protection for the leads
RoHS Compliant:	Compliant with the restricted substance requirements of Directive 2002/95/EC

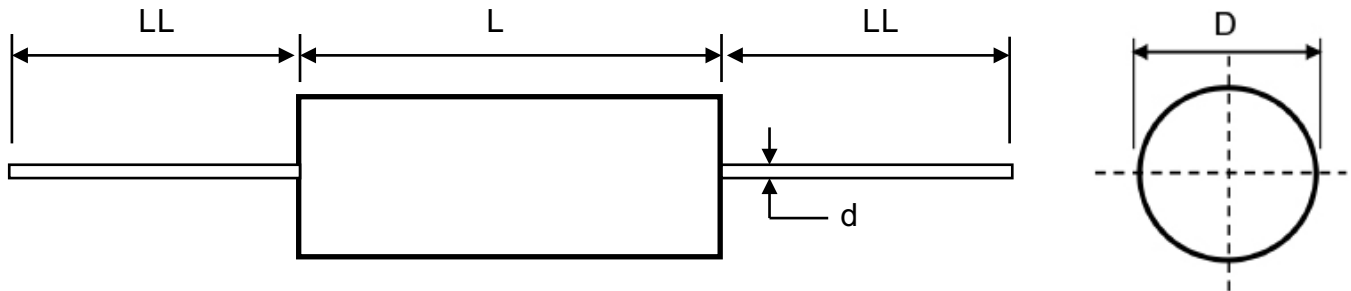
Metallized Polypropylene Film Capacitor(Axial Lead) AC Application

APW

轴型交流滤波电容

OUTLINE DRAWING

Unit: mm



LEAD WIRE DIMENSIONS

Unit: mm

D (mm) max	L (mm) max	d (mm) ± 0.1	LL (mm) min
11	22	0.8	35
9.5	28	0.8	35
10 ~ 13	34	0.8	35
13.5 ~ 20.5	34	1	35
18 ~ 22.5	44	1	35
23.5 ~ 33	44	1.2	35
15 ~ 27	48	1	35
28 ~ 35	58	1.2	35

Metallized Polypropylene Film Capacitor(Axial Lead) AC Application

APW

轴型交流滤波电容

PART NUMBER REFERENCE AND DIMENSIONS

Vac	Cap	Dimensions		Irms 10KHz 70°C A	Peak Current A	ESR _{10K} Typical mΩ	ESL nH	Thermal Res °C/W	dv/dt V/us	Lead Wire mm	Part Number
	Value	D	L								
	uF	mm max	mm max								
160	1	11	22	6	60	8.7	12	47.9	60	0.8	APW-105K16A22LL
160	2.2	11.5	34	6	66	14.2	20	29.3	30	0.8	APW-225K16A34LL
160	2.5	12	34	7	75	12.7	20	24.1	30	0.8	APW-255K16A34LL
160	3	13.5	34	8	90	10.7	20	21.9	30	1.0	APW-305K16A34LL
160	3.3	14	34	9	99	9.8	20	18.9	30	1.0	APW-335K16A34LL
160	4	15.5	34	9	120	8.3	20	22.3	30	1.0	APW-405K16A34LL
160	5	17	34	9	150	7.0	20	26.5	30	1.0	APW-505K16A34LL
160	6.8	19.5	34	9	204	5.7	20	32.5	30	1.0	APW-685K16A34LL
160	10	20	44	9	200	6.9	25	26.8	20	1.0	APW-106K16A44LL
160	10	20	48	9	200	12.4	25	14.9	20	1.0	APW-106K16A48LL
160	15	24.5	44	12	300	5.1	25	20.4	20	1.2	APW-156K16A44LL
160	20	28	44	12	400	4.4	25	23.7	20	1.2	APW-206K16A44LL
160	20	28	48	12	400	10.7	25	9.7	20	1.2	APW-206K16A48LL
160	25	31	44	12	500	4.0	25	26.0	20	1.2	APW-256K16A44LL
160	30	29	58	12	450	5.2	30	20.0	15	1.2	APW-306K16A58LL
160	40	33.5	58	12	600	4.6	30	22.6	15	1.2	APW-406K16A58LL
160	40	36	58	12	600	8.8	30	11.8	15	1.2	APW-406K16A58LL
250	0.47	9.5	28	6	28.2	14.4	15	28.9	60	0.8	APW-474K25A28LL
250	0.68	10	34	6	30.6	15.2	20	27.4	45	0.8	APW-684K25A34LL
250	1	12	34	7	45	10.8	20	28.3	45	0.8	APW-105K25A34LL
250	1.5	14.5	34	9	67.5	75.0	20	24.7	45	1.0	APW-155K25A34LL
250	2	16.5	34	9	90	6.1	20	30.4	45	1.0	APW-205K25A34LL
250	2.2	17.5	34	9	99	5.7	20	32.5	45	1.0	APW-225K25A34LL
250	2.5	18.5	34	9	112.5	5.2	20	35.6	45	1.0	APW-255K25A34LL
250	3	20	34	9	135	4.7	20	39.4	45	1.0	APW-305K25A34LL
250	3.3	18	44	9	99	6.8	25	27.2	30	1.0	APW-335K25A44LL
250	4	19.5	44	9	120	6.0	25	30.9	30	1.0	APW-405K25A44LL
250	4.7	21	44	9	141	5.3	25	34.9	30	1.0	APW-475K25A44LL
250	5	21.5	44	9	150	5.2	25	35.6	30	1.0	APW-505K25A44LL
250	6.8	25	44	12	204	4.2	25	24.8	30	1.2	APW-685K25A44LL
250	10	30	44	12	300	3.5	25	29.8	30	1.2	APW-106K25A44LL
250	15	31.5	58	12	300	6.2	30	16.8	20	1.2	APW-156K25A58LL
250	20	35	58	12	400	5.2	30	20.0	20	1.2	APW-206K25A58LL
330	0.47	11	34	6	28.2	17.0	20	24.5	60	0.8	APW-474K33A34LL
330	0.68	13	34	7	40.8	12.2	20	25.1	60	0.8	APW-684K33A34LL
330	1	15.5	34	9	60	8.6	20	21.5	60	1.0	APW-105K33A34LL
330	2	18.5	44	9	80	8.2	25	22.6	40	1.0	APW-205K33A44LL
330	2.2	19.5	44	9	88	6.8	25	27.2	40	1.0	APW-225K33A44LL
330	3	22.5	44	9	120	6.2	25	29.9	40	1.0	APW-305K33A44LL
330	3.3	23.5	44	12	132	5.6	25	18.6	40	1.2	APW-335K33A44LL
330	4	25.5	44	12	160	4.9	25	21.3	40	1.2	APW-405K33A44LL
330	4.7	27.5	44	12	188	4.6	25	22.6	40	1.2	APW-475K33A44LL
330	5	28.5	44	12	200	4.4	25	23.7	40	1.2	APW-505K33A44LL
330	6.8	28.5	58	12	204	8.8	30	11.8	30	1.2	APW-685K33A58LL
330	10	34.5	58	12	300	6.9	30	15.1	30	1.2	APW-106K33A58LL
400	0.47	14.5	34	8	37.6	12.4	20	18.9	80	1.0	APW-474K40A34LL
400	0.68	17	34	9	54.4	9.1	20	20.4	80	1.0	APW-684K40A34LL

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

Metallized Polypropylene Film Capacitor(Axial Lead) AC Application

APW

轴型交流滤波电容

■ PART NUMBER REFERENCE AND DIMENSIONS

Vac	Cap	Dimensions		I _{rms}	Peak	ESR _{10K}	ESL	Thermal	dv/dt	Lead	Part Number
	Value	D	L	10KHz	Current	Typical		Res		Wire	
	uF	mm max	mm max	70°C A	A	mΩ	°C/W	V/us	mm		
400	1	20.5	34	9	80	6.8	20	27.2	80	1.0	APW-105K40A34LL
400	1.5	20.5	44	9	90	8.3	25	22.3	60	1.0	APW-155K40A44LL
400	2	23.5	44	12	120	6.5	25	16	60	1.2	APW-205K40A44LL
400	2.2	24.5	44	12	132	6.1	25	17.1	60	1.2	APW-225K40A44LL
400	3	28.5	44	12	180	5.1	25	20.4	60	1.2	APW-305K40A44LL
400	3.3	30	44	12	198	4.8	25	21.7	60	1.2	APW-335K40A44LL
400	4	33	44	12	240	4.6	25	22.6	60	1.2	APW-405K40A44LL
400	4.7	29.5	58	12	188	10.3	30	10.1	40	1.2	APW-475K40A58LL
400	5	30.5	58	12	200	9.8	30	10.6	40	1.2	APW-505K40A58LL
400	6.8	35	58	12	272	7.9	30	13.2	40	1.2	APW-685K40A58LL
450	0.15	10	34	5	31.5	18.9	20	31.7	210	0.8	APW-154K45A34LL
450	0.22	12	34	7	46.2	13.4	20	22.8	210	0.8	APW-224K45A34LL
450	0.33	14.5	34	9	69.3	9.2	20	20.1	210	1.0	APW-334K45A34LL
450	0.47	17	34	9	98.7	7.0	20	26.5	210	1.0	APW-474K45A34LL
450	0.68	20.5	34	9	142.8	5.5	20	33.7	210	1.0	APW-684K45A34LL
450	1	20.5	44	9	140	6.1	25	30.4	140	1.0	APW-105K45A44LL
450	1.5	24.5	44	12	210	4.6	25	22.6	140	1.2	APW-155K45A44LL
450	2	28.5	44	12	280	4.0	25	26	140	1.2	APW-205K45A44LL
450	2.2	29.5	44	12	308	3.9	25	26.7	140	1.2	APW-225K45A44LL
450	2.5	31.5	44	12	350	3.8	25	27.4	140	1.2	APW-255K45A44LL
450	3	28	58	12	270	4.7	30	22.2	90	1.2	APW-305K45A58LL
450	3.3	29.5	58	12	297	4.6	30	22.6	90	1.2	APW-335K45A58LL
450	4	32.5	58	12	360	4.2	30	24.8	90	1.2	APW-405K45A58LL

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

Metallized Polypropylene Film Capacitor(Axial Lead) AC Application (THB for Severe Ambient Conditions)

APWG

高温高湿轴型交流滤波电容

APWG series is constructed with metallized polypropylene and sealed with polyester tape and epoxy resin material. They are suitable for severe ambient condition in AC filtering applications.



APPLICATION

AC filter applications.

UPS systems.

Solar inverter and industrial power supply.

FEATURES

High stability of capacitance under severe ambient condition.

High ripple current.

Self-healing properties.

Suitable for high frequency applications.

SPECIFICATIONS

Reference Standard:	IEC61071
Climatic Category:	40/85/21 IEC60068-1
Operating Temperature Range:	-40°C to +105°C
Rated Voltage:	160Vac ~ 450Vac
Capacitance Range:	0.47uF ~40uF
Capacitance Tolerance:	±5% or ±10% at +25°C
Dissipation Factor (DF):	≤ 0.002 (0.2%) at 1kHz at +25°C
Test Voltage Between Terminals:	2.15 x rated voltage for 10s (terminal to terminal)
Test Voltage Terminal to Case:	3.0kVac 50 Hz for 10 sec at +25°C
Insulation Resistance:	IR x C ≥ 10,000 Seconds at 100VDC 1 minute at +25°C
Life Expectancy:	100,000 hours at Un @ Hot-Spot temperature T=+85°C
Leads:	Tinned copper wires.
Packaging:	Packed in cardboard boxes with protection for the leads
RoHS Compliant:	Compliant with the restricted substance requirements of Directive 2002/95/EC
THB Test (Damp heat test with loading):	Temperature : 85°C ± 2°C ; Humidity : 85% ± 2%
	Loading Voltage: Rated voltage (50Hz/60Hz) ;
	Duration: 500 hours
	Capacitance change(ΔC/C): ≤20%

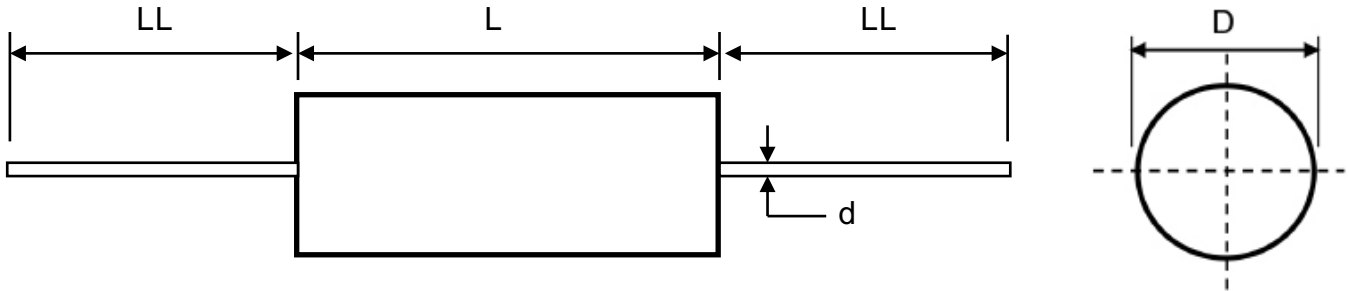
Metallized Polypropylene Film Capacitor(Axial Lead) AC Application (THB for Severe Ambient Conditions)

APWG

高温高湿轴型交流滤波电容

OUTLINE DRAWING

Unit: mm



LEAD WIRE DIMENSIONS

Unit: mm

D (mm) max	L (mm) max	d (mm) ± 0.1	LL (mm) min
11	22	0.8	35
9.5	28	0.8	35
10 ~ 13	34	0.8	35
13.5 ~ 20.5	34	1	35
18 ~ 22.5	44	1	35
23.5 ~ 33	44	1.2	35
15 ~ 27	48	1	35
28 ~ 35	58	1.2	35

Metallized Polypropylene Film Capacitor(Axial Lead) AC Application (THB for Severe Ambient Conditions)

APWG

高温高湿轴型交流滤波电容

■ PART NUMBER REFERENCE AND DIMENSIONS

Vac	Cap	Dimensions		I _{rms} 10KHz 70°C A	Peak Current A	ESR _{10K} Typical mΩ	ESL nH	Thermal Res °C/W	dv/dt V/us	Lead Wire mm	Part Number
	Value	D	L								
	uF	mm max	mm max								
160	1	11	22	6	60	8.7	12	47.9	60	0.8	APWG105K16A22LL
160	2.2	11.5	34	6	66	14.2	20	29.3	30	0.8	APWG225K16A34LL
160	2.5	12	34	7	75	12.7	20	24.1	30	0.8	APWG255K16A34LL
160	3	13.5	34	8	90	10.7	20	21.9	30	1.0	APWG305K16A34LL
160	3.3	14	34	9	99	9.8	20	18.9	30	1.0	APWG335K16A34LL
160	4	15.5	34	9	120	8.3	20	22.3	30	1.0	APWG405K16A34LL
160	5	17	34	9	150	7.0	20	26.5	30	1.0	APWG505K16A34LL
160	6.8	19.5	34	9	204	5.7	20	32.5	30	1.0	APWG685K16A34LL
160	10	20	44	9	200	6.9	25	26.8	20	1.0	APWG106K16A44LL
160	10	20	48	9	200	12.4	25	14.9	20	1.0	APWG106K16A48LL
160	15	24.5	44	12	300	5.1	25	20.4	20	1.2	APWG156K16A44LL
160	20	28	44	12	400	4.4	25	23.7	20	1.2	APWG206K16A44LL
160	20	28	48	12	400	10.7	25	9.7	20	1.2	APWG206K16A48LL
160	25	31	44	12	500	4.0	25	26.0	20	1.2	APWG256K16A44LL
160	30	29	58	12	450	5.2	30	20.0	15	1.2	APWG306K16A58LL
160	40	33.5	58	12	600	4.6	30	22.6	15	1.2	APWG406K16A58LL
160	40	36	58	12	600	8.8	30	11.8	15	1.2	APWG406K16A58LL
250	0.47	9.5	28	6	28.2	14.4	15	28.9	60	0.8	APWG474K25A28LL
250	0.68	10	34	6	30.6	15.2	20	27.4	45	0.8	APWG684K25A34LL
250	1	12	34	7	45	10.8	20	28.3	45	0.8	APWG105K25A34LL
250	1.5	14.5	34	9	67.5	75.0	20	24.7	45	1.0	APWG155K25A34LL
250	2	16.5	34	9	90	6.1	20	30.4	45	1.0	APWG205K25A34LL
250	2.2	17.5	34	9	99	5.7	20	32.5	45	1.0	APWG225K25A34LL
250	2.5	18.5	34	9	112.5	5.2	20	35.6	45	1.0	APWG255K25A34LL
250	3	20	34	9	135	4.7	20	39.4	45	1.0	APWG305K25A34LL
250	3.3	18	44	9	99	6.8	25	27.2	30	1.0	APWG335K25A44LL
250	4	19.5	44	9	120	6.0	25	30.9	30	1.0	APWG405K25A44LL
250	4.7	21	44	9	141	5.3	25	34.9	30	1.0	APWG475K25A44LL
250	5	21.5	44	9	150	5.2	25	35.6	30	1.0	APWG505K25A44LL
250	6.8	25	44	12	204	4.2	25	24.8	30	1.2	APWG685K25A44LL
250	10	30	44	12	300	3.5	25	29.8	30	1.2	APWG106K25A44LL
250	15	31.5	58	12	300	6.2	30	16.8	20	1.2	APWG156K25A58LL
250	20	35	58	12	400	5.2	30	20.0	20	1.2	APWG206K25A58LL
330	0.47	11	34	6	28.2	17.0	20	24.5	60	0.8	APWG474K33A34LL
330	0.68	13	34	7	40.8	12.2	20	25.1	60	0.8	APWG684K33A34LL
330	1	15.5	34	9	60	8.6	20	21.5	60	1.0	APWG105K33A34LL
330	2	18.5	44	9	80	8.2	25	22.6	40	1.0	APWG205K33A44LL
330	2.2	19.5	44	9	88	6.8	25	27.2	40	1.0	APWG225K33A44LL
330	3	22.5	44	9	120	6.2	25	29.9	40	1.0	APWG305K33A44LL
330	3.3	23.5	44	12	132	5.6	25	18.6	40	1.2	APWG335K33A44LL
330	4	25.5	44	12	160	4.9	25	21.3	40	1.2	APWG405K33A44LL
330	4.7	27.5	44	12	188	4.6	25	22.6	40	1.2	APWG475K33A44LL
330	5	28.5	44	12	200	4.4	25	23.7	40	1.2	APWG505K33A44LL
330	6.8	28.5	58	12	204	8.8	30	11.8	30	1.2	APWG685K33A58LL
330	10	34.5	58	12	300	6.9	30	15.1	30	1.2	APWG106K33A58LL
400	0.47	14.5	34	8	37.6	12.4	20	18.9	80	1.0	APWG474K40A34LL
400	0.68	17	34	9	54.4	9.1	20	20.4	80	1.0	APWG684K40A34LL

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

Metallized Polypropylene Film Capacitor(Axial Lead) AC Application (THB for Severe Ambient Conditions)

APWG

高温高湿轴型交流滤波电容

■ PART NUMBER REFERENCE AND DIMENSIONS

Vac	Cap	Dimensions		I _{rms} 10KHz 70°C A	Peak Current A	ESR _{10K} Typical mΩ	ESL nH	Thermal Res °C/W	dv/dt V/us	Lead	Part Number
	Value	D	L							Wire	
	uF	mm max	mm max							mm	
400	1	20.5	34	9	80	6.8	20	27.2	80	1.0	APWG105K40A34LL
400	1.5	20.5	44	9	90	8.3	25	22.3	60	1.0	APWG155K40A44LL
400	2	23.5	44	12	120	6.5	25	16	60	1.2	APWG205K40A44LL
400	2.2	24.5	44	12	132	6.1	25	17.1	60	1.2	APWG225K40A44LL
400	3	28.5	44	12	180	5.1	25	20.4	60	1.2	APWG305K40A44LL
400	3.3	30	44	12	198	4.8	25	21.7	60	1.2	APWG335K40A44LL
400	4	33	44	12	240	4.6	25	22.6	60	1.2	APWG405K40A44LL
400	4.7	29.5	58	12	188	10.3	30	10.1	40	1.2	APWG475K40A58LL
400	5	30.5	58	12	200	9.8	30	10.6	40	1.2	APWG505K40A58LL
400	6.8	35	58	12	272	7.9	30	13.2	40	1.2	APWG685K40A58LL
450	0.15	10	34	5	31.5	18.9	20	31.7	210	0.8	APWG154K45A34LL
450	0.22	12	34	7	46.2	13.4	20	22.8	210	0.8	APWG224K45A34LL
450	0.33	14.5	34	9	69.3	9.2	20	20.1	210	1.0	APWG334K45A34LL
450	0.47	17	34	9	98.7	7.0	20	26.5	210	1.0	APWG474K45A34LL
450	0.68	20.5	34	9	142.8	5.5	20	33.7	210	1.0	APWG684K45A34LL
450	1	20.5	44	9	140	6.1	25	30.4	140	1.0	APWG105K45A44LL
450	1.5	24.5	44	12	210	4.6	25	22.6	140	1.2	APWG155K45A44LL
450	2	28.5	44	12	280	4.0	25	26	140	1.2	APWG205K45A44LL
450	2.2	29.5	44	12	308	3.9	25	26.7	140	1.2	APWG225K45A44LL
450	2.5	31.5	44	12	350	3.8	25	27.4	140	1.2	APWG255K45A44LL
450	3	28	58	12	270	4.7	30	22.2	90	1.2	APWG305K45A58LL
450	3.3	29.5	58	12	297	4.6	30	22.6	90	1.2	APWG335K45A58LL
450	4	32.5	58	12	360	4.2	30	24.8	90	1.2	APWG405K45A58LL

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

Metallized Polypropylene Film Capacitor (Aluminium Can) AC Application

APM

订购基本规格

EXPLANATION OF ARTICLE CODE

Example: APM 100uF ±10% 480Vac, Diameter: 85mm, Terminal M8, Lead Space= 30mm

APM-	107	K	48	C	86	H	B
①	②	③	④	⑤	⑥	⑦	⑧

① Capacitor Type

TYPE	APM
CODE	APM-

② Rated Capacitance (EIA Code)

The rated capacitance value of the product is indicated with three digits. The first two digits indicate the two most significant digits of the capacitance value, and the third digit gives the number of following zeroes. This give the capacitance value expressed in picofarads.

Example:

105	=	1,000,000pF	=	1,000nF	=	1uF
106	=	10,000,000pF	=	10,000nF	=	10uF

③ Capacitance Tolerance

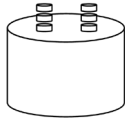
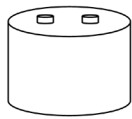
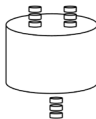
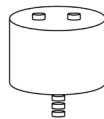
TOLERANCE	±5%	±10%	±20%
CODE	J	K	M

④ Rated Voltage

Code for AC Voltage: (expressed in two digit code)

VOLTAGE	250V	280V	300V	350V	400V	450V	690V
CODE	25	28	30	35	40	45	69

⑤ Terminal Configuration

FORM	THREADED STUD	THREADED INSERT	THREADED STUD + MOUNTING	THREADED INSERT + MOUNTING
CODE	A	B	C	J
FORM STYLE				

⑥ Case Diameter

Diameter (mm)	50	55	60	63.5	65	76	86	96	100	106	116	136
CODE	50	55	60	63	65	76	86	96	1A	1B	1C	1D

⑦ Terminal

TERMINAL	M5	M6	M8	M10	M12	M16	M20	Fast-on
CODE	E	F	H	J	L	M	N	X

⑧ Terminal Length

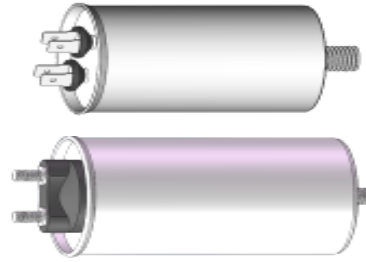
Terminal Pitch	20	30	16	50	32	18	35
CODE	A	B	C	D	E	F	G

Metallized Polypropylene Film Capacitor (Aluminium Can) AC Application

APM

油式单相交流滤波电容器

APM series is oil-filled type film capacitor constructed with metallized polypropylene in aluminium casing. They are suitable for output AC filtering circuits in power converters, UPS systems, solar inverter and motor drive.



APPLICATION

PFC and AC filtering.

UPS systems.

Renewable energy and motor drive.

FEATURES

High ripple current.

Self-healing properties.

High capacitance density.

Suitable for high frequency applications.

SPECIFICATIONS

Reference Standard:	IEC61071, UL810
Climatic Category:	IEC60068-1
Operating Temperature Range:	-40°C to +85°C
Rated Voltage:	250Vac ~ 690Vac
Capacitance Range:	10uF ~600uF
Capacitance Tolerance:	±5% or ±10% at +25°C
Dissipation Factor (DF):	≤ 0.001 (0.1%) at 100Hz at +25°C
Test Voltage Between Terminals:	2.15 x rated voltage for 10s (terminal to terminal)
Test Voltage Terminal to Case:	4.0KVac 50 Hz for 10 sec at +25°C
Insulation Resistance:	IR x C≥3,000 Seconds at 100VDC 1 minute at +25°C
Life Expectancy:	100,000 hours at Un @ Hot-Spot temperature T=+70°C
Max Hot-spot Temperature:	≤ +85°C
Storage Temperature:	-40°C ~ +85°C
Degree of Protection:	IP 00
Max Permissible Altitude:	2000 m above sea level
Mounting:	Vertical or Horizontal
Surge current Is:	200 * I rated
Packaging:	Packed in cardboard boxes with protection for the leads
Over Voltage:	1.1Un up to 8h / day
	1.15Un up to 30 min / day
	1.2Un up to 5 min/day, only 200 times in the life of the capacitor
	1.3Un up to 1 min/day, only 200 times in the life of the capacitor

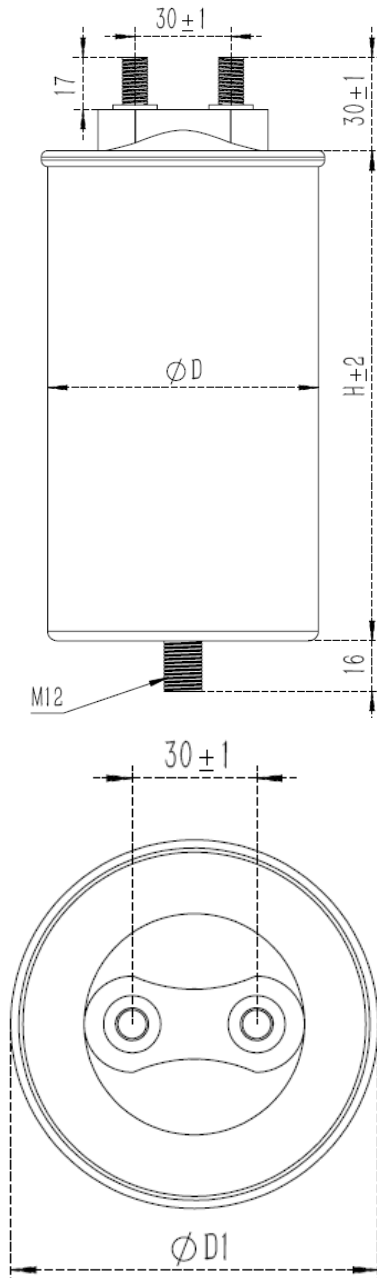
Metallized Polypropylene Film Capacitor (Aluminium Can) AC Application

APM

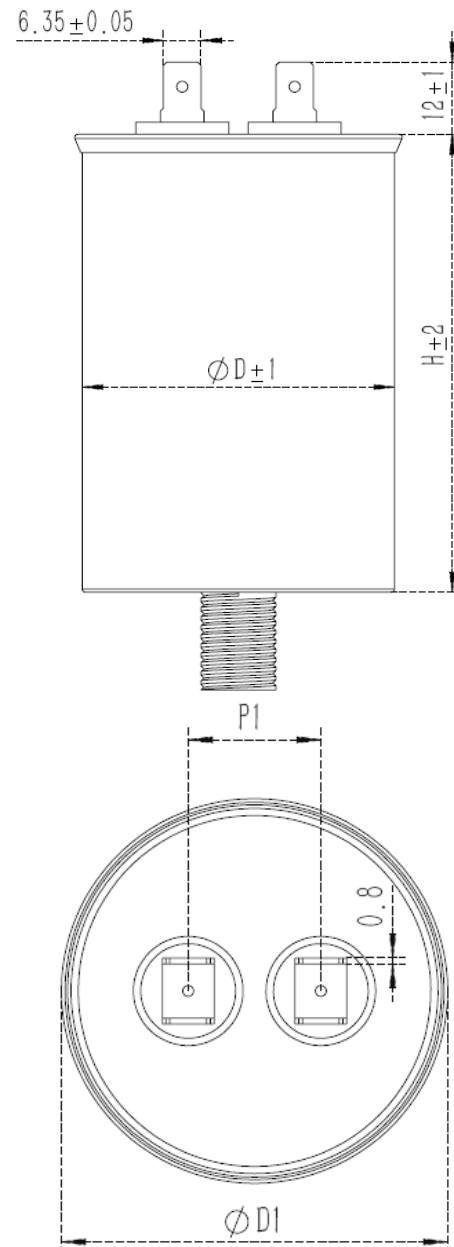
油式单相交流滤波电容器

DIMENSIONS

Style: Screw Terminals



Style: Fast-on Terminals



NOTES:

Can Diameter D (mm)	≤ 76	86	96	116	136
Diameter After Sealed D1	D1+3mm	D1+4mm	D1+4mm	D1+5mm	D1+6mm
Diameter D (mm)	50	55	60	63.5	
Pitch P1 (mm)	18	20	20	20	

Metallized Polypropylene Film Capacitor (Aluminium Can) AC Application

APM

油式单相交流滤波电容器

PART NUMBER REFERENCE AND DIMENSIONS

Vac	Cap	OD		H		I rms at 40°C	Peak Current	ESR 1KHz	ESL	Thermal	dv/dt	Pkg	Part Number
	Value									Res		Qty	
	uF	mm	inch	mm	inch					A		A	
250	60	50	(1.97)	100	(3.9)	15	999	3.9	175	7.8	16.7	15	APM-606K25C50XA
250	80	50	(1.97)	100	(3.9)	16	1332	4.4	175	7.8	16.7	15	APM-806K25C50XA
250	100	50	(1.97)	125	(4.9)	16	1260	4.8	175	6.3	12.6	15	APM-107K25C50XA
250	120	55	(2.17)	125	(4.9)	16	1512	4.6	175	6.3	12.6	15	APM-127K25C55XA
250	150	60	(2.36)	125	(4.9)	16	1890	4.3	175	5.3	12.6	12	APM-157K25C60XA
250	150	76	(2.99)	125	(4.9)	30	1620	3.3	190	5.3	10.8	12	APM-157K25C76HB
250	200	76	(2.99)	125	(4.9)	40.0	2340	3.0	200	5.2	11.7	12	APM-207K25C76HB
250	250	76	(2.99)	150	(5.9)	40.0	2160	3.4	190	4.3	8.6	12	APM-257K25C76HB
250	300	76	(2.99)	180	(7.1)	40	2592	3.2	190	4.3	8.6	12	APM-307K25C76HB
250	350	86	(3.39)	180	(7.1)	50	3622.5	3.1	200	4.0	10.4	8	APM-357K25C86HB
250	400	86	(3.39)	180	(7.1)	50	4140	3.0	200	4.0	10.4	8	APM-407K25C86HB
250	500	86	(3.39)	200	(7.9)	50	5400	3.3	220	2.9	10.8	8	APM-507K25C86HB
250	600	86	(3.39)	250	(10)	50	4806	3.1	200	2.9	8	8	APM-607K25C86HB
330	50	50	(1.97)	100	(3.9)	12	832.5	5.1	175	7.8	16.7	15	APM-506K33C50XA
330	60	50	(1.97)	125	(4.9)	12	756	5.4	175	6.3	12.6	15	APM-606K33C50XA
330	100	60	(2.36)	125	(4.9)	16	1260	4.1	175	5.3	12.6	12	APM-107K33C60XA
330	100	76	(2.99)	125	(4.9)	30	1305	3.8	190	5.4	13.1	12	APM-107K33C76HB
330	120	60	(2.36)	125	(4.9)	16	864	3.8	175	5.4	7.2	12	APM-127K33C60XA
330	150	76	(2.99)	150	(5.9)	30	1350	3.0	190	4.3	9	12	APM-157K33C76HB
330	200	86	(3.39)	150	(5.9)	40	2610	3.1	200	4.0	13.1	8	APM-207K33C86HB
330	250	76	(2.99)	200	(7.9)	50	2138	3.9	190	3.6	8.6	12	APM-257K33C76HB
330	300	86	(3.39)	200	(7.9)	50	3915	3.6	200	3.4	13.1	8	APM-307K33C86HB
330	350	86	(3.39)	200	(7.9)	50	4568	3.4	200	2.9	13.1	8	APM-357K33C86HB
330	400	86	(3.39)	250	(9.8)	50	3240	3.6	200	2.5	8.1	8	APM-407K33C86HB
450	20	50	(1.97)	75	(3.0)	8.0	700	5.2	175	10.5	35.0	15	APM-206K45C50XA
450	30	50	(1.97)	100	(3.9)	10.0	700	6.9	175	7.8	23.3	15	APM-306K45C50XA
450	40	50	(1.97)	100	(3.9)	12	540	5.7	175	6.9	13.5	15	APM-406K45C50XA
450	50	50	(1.97)	125	(4.9)	12	540.0	5.0	175	5.5	10.8	15	APM-506K45C50XA
450	50	76	(2.99)	100	(3.9)	25	855	3.3	190	6.4	17.1	12	APM-506K45C76HB
450	70	55	(2.17)	125	(4.9)	16	907	4.8	175	5.5	13.0	15	APM-706K45C55XA
450	80	55	(2.17)	125	(5)	16	907	4.4	175	5.5	11	15	APM-806K45C55XA
450	100	76	(2.99)	150	(5.9)	25	1080.0	4.7	190	4.5	10.8	12	APM-107K45C76HB
450	150	86	(3.39)	150	(5.9)	30	1958	3.9	200	4.0	13.1	8	APM-157K45C86HB
450	200	86	(3.39)	200	(7.9)	40	2700	3.7	220	2.9	13.5	8	APM-207K45C86HB
450	250	86	(3.39)	200	(7.9)	50	2025	3.8	200	2.5	8.1	8	APM-257K45C86HB
450	300	86	(3.39)	250	(9.8)	50	2403	4.1	220	2.5	8.0	8	APM-307K45C86HB
480	20	50	(1.97)	75	(3.0)	9	750	4.8	175	9.8	38	15	APM-206K48C50XA
480	25	55	(2.17)	75	(3.0)	11	750	4.2	175	8.6	30.0	15	APM-256K48C55XA
480	30	60	(2.36)	75	(3.0)	12	750	3.9	175	8.6	25.0	15	APM-306K48C60XA
480	40	55	(2.17)	100	(3.9)	12	850	5.2	175	6.9	21.3	15	APM-406K48C55XA
480	50	64	(2.50)	100	(3.9)	14	850	4.6	175	6.9	17.0	12	APM-506K48C63XA
480	60	76	(2.99)	125	(4.9)	18	1053	3.7	190	5.3	17.6	12	APM-606K48C76HB
480	70	76	(2.99)	125	(4.9)	20.0	1050	3.4	190	5.3	15.0	12	APM-706K48C76HB
480	80	76	(2.99)	150	(5.9)	30.0	1224	4.2	190	4.2	15.3	12	APM-806K48C76HB
480	100	76	(2.99)	200	(7.9)	50	1710	4.1	190	3.3	17.1	12	APM-107K48C76HB
480	150	86	(3.39)	200	(7.9)	50	2565.0	3.5	200	3.1	17.1	8	APM-157K48C86HB

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

 EUROTRONIC

Metallized Polypropylene Film Capacitor (Aluminium Can) AC Application

APM

油式单相交流滤波电容器

PART NUMBER REFERENCE AND DIMENSIONS

Vac	Cap	OD		H		I rms at 40°C	Peak Current	ESR 1KHz	ESL	Thermal	dv/dt	Pkg	Part Number
	Value									Res		Qty	
	uF	mm	inch	mm	inch					A		A	
480	200	86	(3.39)	250	(9.8)	45	2610	4.6	200	2.5	13.1	8	APM-207K48C86HB
480	250	86	(3.39)	250	(9.8)	45	2925	4.2	200	2.5	11.7	8	APM-257K48C86HB
550	20	50	(1.97)	100	(4)	9	600	6.9	175	7.9	30	15	APM-206K55C50XA
550	30	55	(2.17)	125	(4.9)	12	750.0	6.6	175	6.3	25.0	15	APM-306K55C55XA
550	40	60	(2.36)	125	(4.9)	14	750	7.1	175	5.5	18.8	15	APM-406K55C60XA
550	50	65	(2.56)	130	(5.1)	16	850	6.1	175	5.5	17.0	12	APM-506K55C65XA
550	70	86	(3.39)	150	(5.9)	25	900	4.6	175	3.2	12.9	8	APM-706K55C86HB
550	80	86	(3.39)	150	(5.9)	30	1800	4.3	190	3.2	22.5	8	APM-806K55C86HB
550	100	86	(3.39)	200	(7.9)	35	2821	3.9	200	3.1	28	8	APM-107K55C86HB
550	125	86	(3.39)	200	(7.9)	36	2821	3.6	200	3.1	22.6	8	APM-127K55C86HB
550	150	86	(3.39)	250	(9.8)	40	3217	5.0	200	2.5	21.4	8	APM-157K55C86HB
550	200	96	(3.78)	250	(9.8)	50	3217	4.4	200	2.2	16.1	6	APM-207K55C96HB
550	250	106	(4.17)	250	(9.8)	50	3500	4.0	240	2.0	14.0	6	APM-257K55C1BHB
550	300	116	(4.57)	250	(9.8)	50	3500	3.7	240	1.8	11.7	5	APM-307K55C1CHB
600	10	50	(1.97)	75	(3.0)	6.0	350	6.4	160	10.5	35.0	15	APM-106K60C50XA
600	20	50	(1.97)	100	(3.9)	8.0	500	11.1	160	6.9	25.0	15	APM-206K60C50XA
600	25	60	(2.36)	100	(3.9)	10	600	6.1	175	6.3	24.0	15	APM-256K60C60XA
600	30	60	(2.36)	100	(3.9)	11	600.0	5.4	175	6.3	20.0	15	APM-306K60C60XA
600	35	55	(2.17)	125	(4.9)	14	700	7.3	175	6.3	20.0	15	APM-356K60C55XA
600	40	60	(2.36)	125	(4.9)	14	700	6.6	175	5.5	17.5	15	APM-406K60C60XA
600	45	64	(2.50)	125	(5)	15	700	6.1	175	5.5	16	12	APM-456K60C63XA
600	50	65	(2.56)	130	(5.1)	15	850.0	5.7	175	5.5	17.0	12	APM-506K60C65XA
660	10	50	(1.97)	100	(3.9)	8	550	5.2	160	10.5	55.0	15	APM-106K66C50XA
660	15	60	(2.36)	100	(3.9)	10	420	6.2	160	6.3	28.0	15	APM-156K66C60XA
660	20	55	(2.17)	125	(4.9)	12	550	8.3	175	6.3	27.5	15	APM-206K66C55XA
660	25	60	(2.36)	125	(4.9)	14	550	7.9	175	5.3	22.0	15	APM-256K66C60XA
660	30	63.5	(2.50)	125	(4.9)	16.0	750	6.3	175	5.5	25	12	APM-306K66C63XA
660	40	76	(2.99)	150	(5.9)	30	900	5.2	175	4.6	22.5	12	APM-406K66C76HB
660	50	86	(3.39)	150	(5.9)	35	1000	4.7	175	4.0	20.0	8	APM-506K66C86HB
690	10	50	(1.97)	100	(3.9)	8	550	5.2	160	10.5	55.0	15	APM-106K69C50XA
690	15	60	(2.36)	100	(3.9)	10.0	420	6.2	160	6.3	28.0	15	APM-156K69C60XA
690	20	55	(2.17)	125	(4.9)	12.0	550	8.3	175	6.3	27.5	15	APM-206K69C55XA
690	30	64	(2.50)	125	(4.9)	16	750	6.3	175	5.5	25.0	12	APM-306K69C63XA
690	40	76	(2.99)	150	(5.9)	25	1150.0	4.8	190	4.6	28.8	12	APM-406K69C76HB
690	50	86	(3.39)	150	(5.9)	35	1150	4.3	190	3.6	23.0	8	APM-506K69C86HB
690	65	96	(3.78)	150	(5.9)	40	1260	3.7	200	2.9	18.0	6	APM-656K69C96HB
690	80	76	(2.99)	250	(10)	40	1530	3.5	220	2.7	18	12	APM-856K69C76HB
690	100	86	(3.39)	250	(9.8)	45	1800.0	3.3	200	2.5	18.0	8	APM-107K69C86HB
690	125	96	(3.78)	250	(9.8)	50	1563	4.0	220	2.3	12.5	6	APM-127K69C96HB
690	150	106	(4.17)	250	(9.8)	50	1875	3.8	240	2.1	12.5	6	APM-157K69C1BHB
690	170	106	(4.17)	250	(9.8)	50	2125	3.6	240	2.1	12.5	6	APM-177K69C1BHB

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

Metallized Polypropylene Film Capacitor (Aluminium Can) AC Application

APM

油式单相交流滤波电容器

■ PERFORMANCE NOTE

Rs: Equivalent series resistance - Ohmic resistances (Ohm)

Dielectric Dissipation Factor: $\tan\delta$ (Polypropylene: 0.0002)

Ta: Ambient temperature

Rth: Thermal resistance °C/W, indicates hot spot temperature rise due to power dissipation losses

Pj: Joule losses $P_j = R_s \cdot I_{rms}^2$

Pd: Dielectric losses

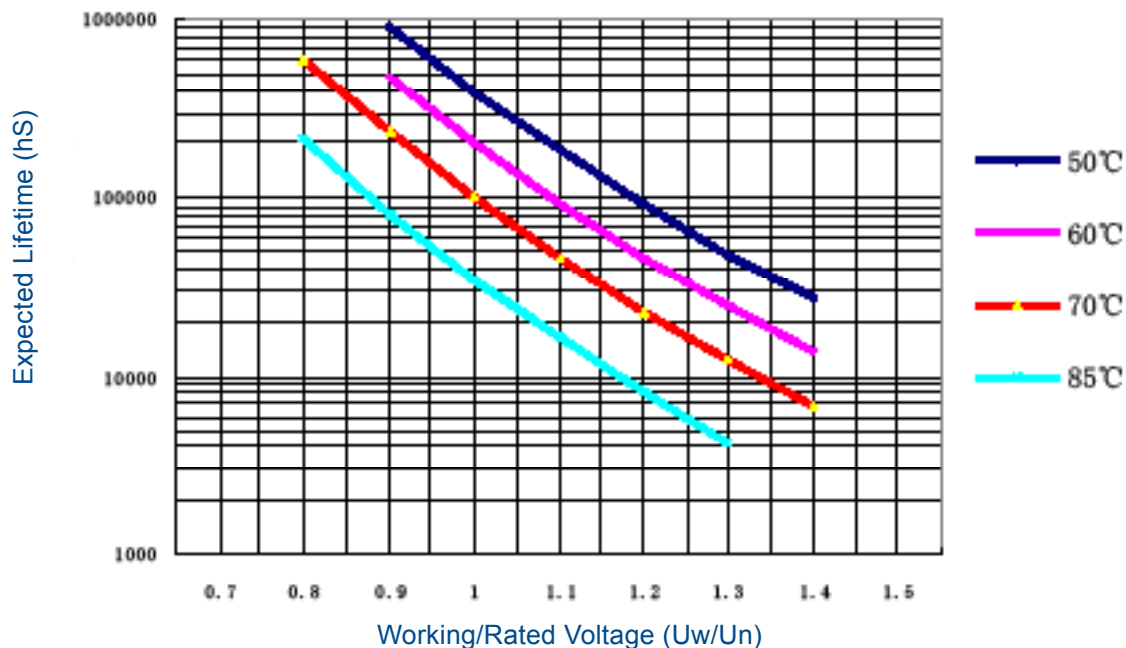
$$P_d = X_c \cdot I_{rms}^2 \cdot \tan\delta = I_{rms}^2 / (2 \cdot \pi \cdot f \cdot C) \cdot \tan\delta$$

Ths: Hot spot temperature within the capacitor

$$Ths = Ta + (P_j + P_d) \cdot R_{th}$$

Design life: 100,000 hours at Un @ Hot-Spot temperature $\leq +70^\circ\text{C}$

Expected Life Curve



■ CAUTIONS AND WARNING

- In case of dents of more than 1 mm depth or any other mechanical damage, capacitors must not be used at all.
- To ensure the full functionality, a minimum space of 12 mm has to be kept above each capacitor.
- Do not handle the capacitor before it is discharged.
- Check tightness of the connection/terminals periodically.
- It is necessary to verify that maximum hot-spot temperature is not exceeded at extreme condition.
- The threaded bottom stud of the capacitor has to be used for grounding. The maximum tightening torque is 15Nm
- Do not use or store capacitor in corrosive atmosphere, in the dusty environments regular maintenance and cleaning especially of the terminals is required to avoid conductive path between phase / or phase and ground.
- Do not have unlimited service life expectancy, the max service life expectancy may vary depending on the application the capacitor is used in.

Metallized Polypropylene Film Capacitor(Aluminium Can) AC Application

APT

订购基本规格

EXPLANATION OF ARTICLE CODE

Example: APT 3*55.7uF ±10% 690Vac, Diameter: 86mm, Terminal M8

APT -	5 5 6	K	6 9	W	8 6	E	A
①	②	③	④	⑤	⑥	⑦	⑧

① Capacitor Type

TYPE	APT
CODE	APT-

② Rated Capacitance (EIA Code)

The rated capacitance value of the product is indicated with three digits. The first two digits indicate the two most significant digits of the capacitance value, and the third digit gives the number of following zeroes. This give the capacitance value expressed in picofarads.

Example:

105	=	1,000,000pF	=	1,000nF	=	1uF
106	=	10,000,000pF	=	10,000nF	=	10uF

③ Capacitance Tolerance

TOLERANCE	±5%	±10%	±20%
CODE	J	K	M

④ Rated Voltage

Code for AC Voltage: (expressed in two digit code)

VOLTAGE	450V	500V	550V	600V	690V
CODE	45	50	55	60	69

⑥ Case Diameter

DIAMETER (mm)	50	76	86	96	100	106	116	136
CODE	50	76	86	96	1A	1B	1C	1D

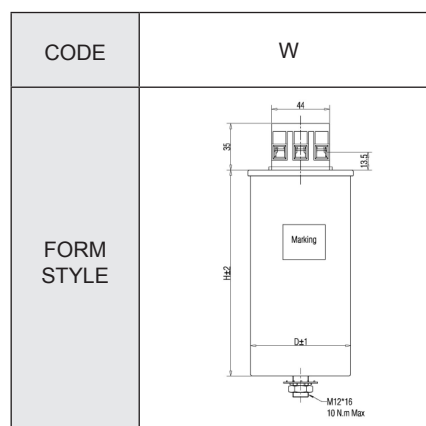
⑦ Terminal

TERMINAL	M5	M6	M8	M10	M12	M16	M20	Fast-on
CODE	E	F	H	J	L	M	N	X

⑧ Terminal Pitch

Terminal Pitch	15
CODE	A

⑤ Terminal Configuration

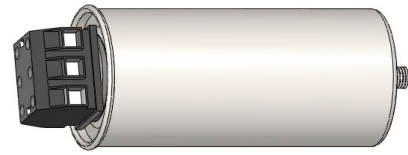


Metallized Polypropylene Film Capacitor(Aluminium Can) AC Application

APT

油式三相交流滤波电容器

APT series is 3 phases AC filtering capacitors (with FPU) constructed with metallized polypropylene film, aluminium casing sealed with PU resin. They are suitable for PFC & AC Filtering Application, UPS System, Solar Inverter and Motor Drives.



APPLICATION

PFC and AC filtering.

UPS systems.

Large skill inverter like Solar or Windmill..

FEATURES

Three-phase, delta connected.

Optimized AC voltage performance.

Overpressure disconnection device.

High capacitance density, self-healing property.

SPECIFICATIONS

Reference Standard:	IEC60831 / IEC61071
Climatic Category:	IEC60068-1
Operating Temperature Range:	-40°C ~ +55°C (IEC60831) -40°C ~ +70°C (IEC61071)
Rated Voltage:	230Vac ~ 690Vac
Capacitance Range:	3*20.3μF~3*335μF
Capacitance Tolerance:	±5% or ±10% at +25°C
Dissipation Factor (DF):	≤ 0.002 (0.2%) at 100Hz at +25°C
Test Voltage Between Terminals:	2.15 x rated voltage for 10s (terminal to terminal)
Test Voltage Terminal to Case:	4.0KVac 50 Hz for 10 sec at +25°C
Insulation Resistance:	IR x C≥3,000 Seconds at 100VDC 1 minute at +25°C
Life Expectancy:	100,000 hours at Un @ Hot-Spot temperature T ≤ +70°C
Max Hot-spot Temperature:	≤ +85°C
Storage Temperature:	-40°C ~ +85°C
Degree of Protection:	IP 20
Max Permissible Altitude:	2000 m above sea level
Mounting:	Vertical or Horizontal
Surge current Is:	200 * I rated
Packaging:	Packed in cardboard boxes with protection for the leads
Over Voltage:	1.1Un up to 8h / day 1.15Un up to 30 min / day 1.2Un up to 5 min/day, only 200 times in the life of the capacitor 1.3Un up to 1 min/day, only 200 times in the life of the capacitor
Installation torque:	Terminal: 2.0Nm; The bottom stud of case: M12: 15Nm

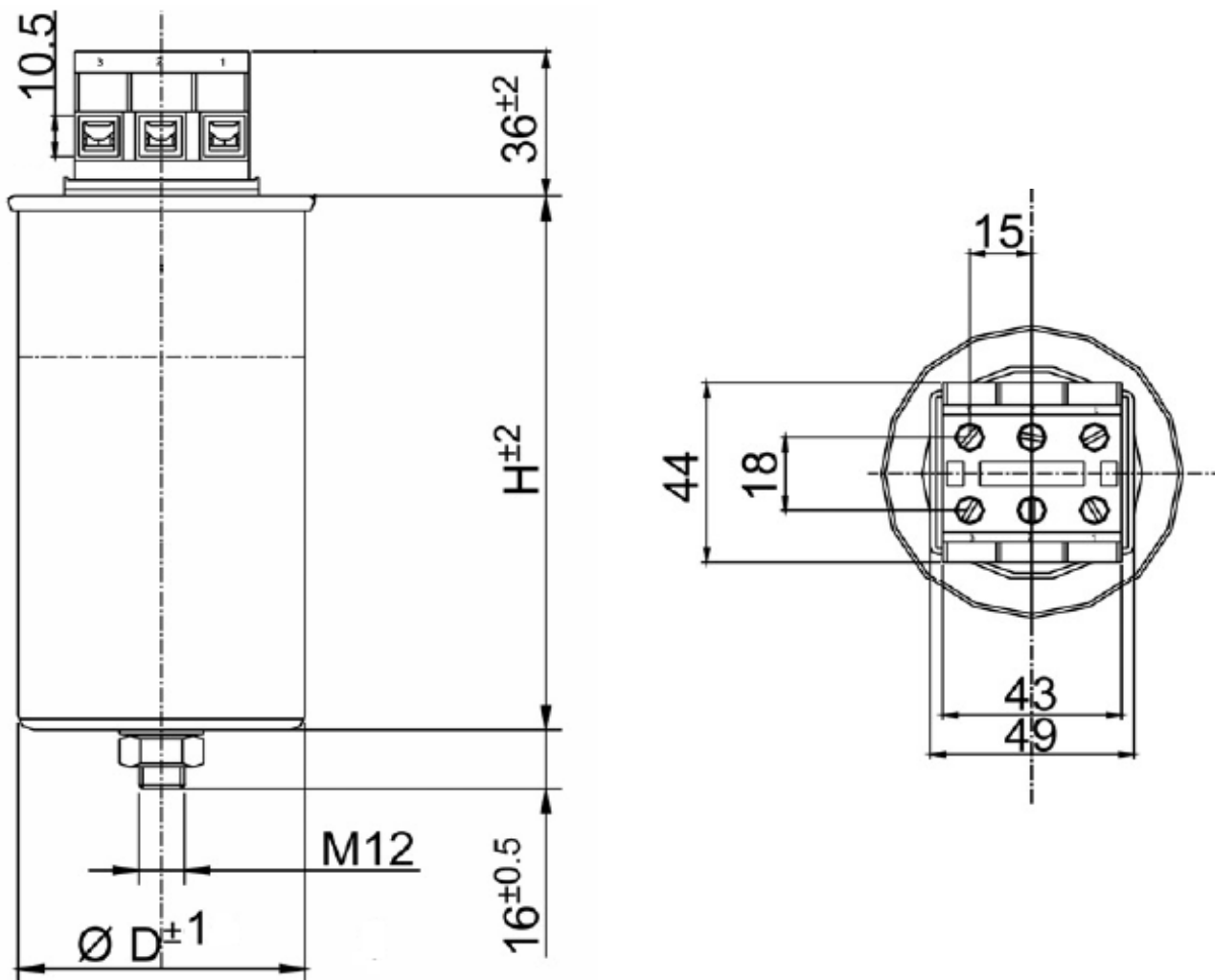
Metallized Polypropylene Film Capacitor(Aluminium Can) AC Application

APT

油式三相交流滤波电容器

■ DIMENSIONS

Style: Screw Terminals



Metallized Polypropylene Film Capacitor(Aluminium Can) AC Application

APT

油式三相交流滤波电容器

PART NUMBER REFERENCE AND DIMENSIONS

Vac	Cap	OD		H		Output Kvar @50Ez	I rms at 40°C A	Surge	dv/dt V/us	Pkg	Part
	Value	mm	inch	mm	inch			Current		Qty	
	uF							A		pcs	
230	3 x 200.6	86	(3.39)	265	(10.43)	10.0	25.1	5021	25	8	APT-207K23W86EA
230	3 x 200.6	116	(4.57)	160	(6.30)	10.0	25.1	5021	25	5	APT-207K23W1CEA
230	3 x 250.7	86	(3.39)	265	(10.43)	12.5	31.4	6276	25	8	APT-257K23W86EA
230	3 x 250.7	116	(4.57)	200	(7.87)	12.5	31.4	6276	25	5	APT-257K23W1CEA
230	3 x 300.9	86	(3.39)	350	(13.78)	15.0	37.7	7531	25	8	APT-307K23W86EA
230	3 x 300.9	116	(4.57)	200	(7.87)	15.0	37.7	7531	25	5	APT-307K23W1CEA
230	3 x 335.0	116	(4.57)	230	(9.06)	16.7	41.9	8384	25	5	APT-337K23W1CEA
400	3 x 66.3	86	(3.39)	200	(7.87)	10.0	14.4	2887	44	8	APT-666K40W86EA
400	3 x 82.9	86	(3.39)	200	(7.87)	12.5	18.0	3609	44	8	APT-826K40W86EA
400	3 x 99.5	86	(3.39)	265	(10.43)	15.0	21.7	4330	44	8	APT-996K40W86EA
400	3 x 110.7	86	(3.39)	265	(10.43)	16.7	24.1	4821	44	8	APT-117K40W86EA
400	3 x 110.7	116	(4.57)	160	(6.30)	16.7	24.1	4821	44	5	APT-117K40W1CEA
400	3 x 132.6	86	(3.39)	265	(10.43)	20.0	28.9	5774	44	8	APT-137K40W86EA
400	3 x 132.6	116	(4.57)	200	(7.87)	20.0	28.9	5774	44	5	APT-137K40W1CEA
400	3 x 165.8	86	(3.39)	350	(13.78)	25.0	36.1	7217	44	8	APT-167K40W86EA
400	3 x 165.8	116	(4.57)	200	(7.87)	25.0	36.1	7217	44	5	APT-167K40W1CEA
400	3 x 198.9	136	(5.35)	200	(7.87)	30.0	43.3	8661	44	2	APT-207K40W1DEA
440	3 x 46	86	(3.39)	160	(6.30)	8.3	10.9	2178	48	8	APT-466K44W86EA
440	3 x 68.5	96	(3.78)	160	(6.30)	12.5	16.4	3280	48	6	APT-686K44W86EA
440	3 x 82.2	86	(3.39)	200	(7.87)	15.0	19.7	3937	48	8	APT-826K44W86EA
440	3 x 109.0	86	(3.39)	265	(10.43)	20.0	26.2	5249	48	8	APT-117K44W86EA
440	3 x 109.0	116	(4.57)	160	(6.30)	20.0	26.2	5249	48	5	APT-117K44W1CEA
440	3 x 123.3	86	(3.39)	265	(10.43)	22.5	29.5	5905	48	8	APT-127K44W86EA
440	3 x 123.3	116	(4.57)	200	(7.87)	22.5	29.5	5905	48	5	APT-127K44W1CEA
440	3 x 137.0	116	(4.57)	200	(7.87)	25.0	32.8	6561	48	5	APT-137K44W1CEA
440	3 x 156	116	(4.57)	200	(7.87)	28.1	36.9	7375	48	5	APT-157K44W1CEA
440	3 x 164.4	86	(3.39)	350	(13.78)	30.0	39.4	7873	48	8	APT-167K44W86EA
440	3 x 164.4	116	(4.57)	200	(7.87)	30.0	39.4	7873	48	5	APT-167K44W1CEA
480	3 x 40	86	(3.39)	200	(7.87)	8.7	10.5	2093	52	8	APT-406K48W86EA
480	3 x 60	86	(3.39)	265	(10.43)	13.0	15.6	3127	52	8	APT-606K48W86EA
480	3 x 80	116	(4.57)	200	(7.87)	17.4	20.9	4186	52	5	APT-806K48W1CEA
480	3 x 120	116	(4.57)	265	(10.43)	26.0	31.3	6255	52	5	APT-127K48W1CEA
525	3 x 38.5	96	(3.78)	160	(6.30)	10.0	11.0	2199	57	6	APT-386K52W96EA
525	3 x 48.1	86	(3.39)	200	(7.87)	12.5	13.7	2749	57	8	APT-486K52W86EA
525	3 x 58	96	(3.78)	200	(7.87)	15.0	16.5	3299	57	6	APT-576K52W96EA
525	3 x 77.0	86	(3.39)	265	(10.43)	20.0	22.0	4399	57	8	APT-776K52W86EA
525	3 x 96	86	(3.39)	350	(13.78)	25.0	27.5	5499	57	8	APT-966K52W86EA
525	3 x 96	116	(4.57)	200	(7.87)	25.0	27.5	5499	57	5	APT-966K52W1CEA
525	3 x 115.4	136	(5.35)	200	(7.87)	30.0	33.0	6598	57	2	APT-117K52W1DEA
660	3 x 20.3	86	(3.39)	200	(7.87)	8.3	7.3	1457	72	8	APT-206K66W86EA
660	3 x 24.4	86	(3.39)	200	(7.87)	10.0	8.7	1750	72	8	APT-246K66W86EA
660	3 x 30.4	86	(3.39)	265	(10.43)	12.5	10.9	2187	72	8	APT-306K66W86EA
660	3 x 36.5	86	(3.39)	265	(10.43)	15.0	13.1	2624	72	8	APT-366K66W86EA
660	3 x 48.7	86	(3.39)	350	(13.78)	20.0	17.5	3499	72	8	APT-496K66W86EA
690	3 x 27.9	86	(3.39)	265	(10.43)	12.5	10.5	2092	75	8	APT-286K69W86EA
690	3 x 33.4	86	(3.39)	265	(10.43)	15.0	12.6	2510	75	8	APT-336K69W86EA
690	3 x 44.6	86	(3.39)	350	(13.78)	20.0	16.7	3347	75	8	APT-446K69W86EA
690	3 x 55.7	86	(3.39)	350	(13.78)	25.0	20.9	4184	75	8	APT-556K69W86EA

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

 EUROTRONIC

Metallized Polypropylene Film Capacitor(Aluminium Can) AC Application

APT

油式三相交流滤波电容器

■ PERFORMANCE NOTE

Rs: Equivalent series resistance - Ohmic resistances (Ohm)

Dielectric Dissipation Factor: $\tan\delta$ (Polypropylene: 0.0002)

Ta: Ambient temperature

Rth: Thermal resistance °C/W, indicates hot spot temperature rise due to power dissipation losses

Pj: Joule losses $P_j = R_s \cdot I_{rms}^2$

Pd: Dielectric losses

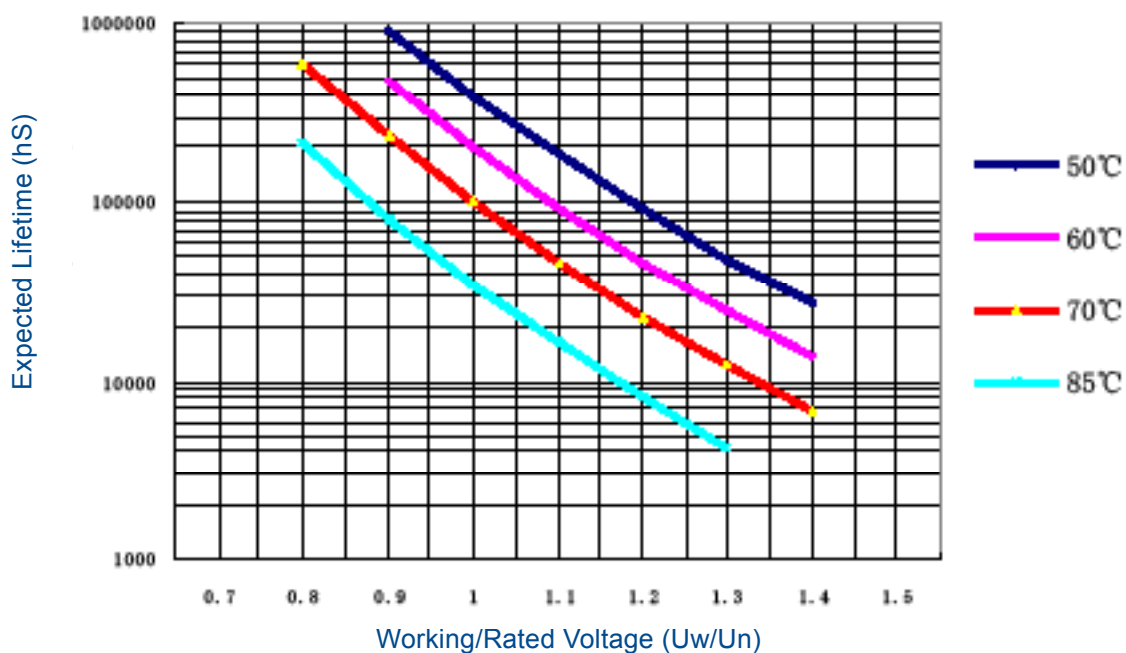
$$P_d = X_c \cdot I_{rms}^2 \cdot \tan\delta = I_{rms}^2 / (2 \cdot \pi \cdot f \cdot C) \cdot \tan\delta$$

Ths: Hot spot temperature within the capacitor

$$Ths = Ta + (P_j + P_d) \cdot R_{th}$$

Design life: 100,000 hours at U_n @ Hot-Spot temperature $\leq +70^\circ C$

Expected Life Curve



■ CAUTIONS AND WARNING

- In case of dents of more than 1 mm depth or any other mechanical damage, capacitors must not be used at all.
- To ensure the full functionality, a minimum space of 12 mm has to be kept above each capacitor.
- Do not handle the capacitor before it is discharged.
- Check tightness of the connection/terminals periodically.
- It is necessary to verify that maximum hot-spot temperature is not exceeded at extreme condition.
- The threaded bottom stud of the capacitor has to be used for grounding. The maximum tightening torque is 15Nm
- Do not use or store capacitor in corrosive atmosphere, in the dusty environments regular maintenance and cleaning especially of the terminals is required to avoid conductive path between phase / or phase and ground.
- Do not have unlimited service life expectancy, the max service life expectancy may vary depending on the application the capacitor is used in.

Metallized Polypropylene Film Capacitor(Aluminium Can) AC Application

APA

订购基本规格

EXPLANATION OF ARTICLE CODE

Example: APA 2uF ±10% 450Vac, Diameter: 40mm, Fast-on Terminal, Lead Space: 16mm

A P A -	2 0 5	K	4 5	B	4 0
①	②	③	④	⑤	⑥

① Capacitor Type

TYPE	APA
CODE	APA-

② Rated Capacitance (EIA Code)

The first 2 digits indicate a capacitance, and the last 2 digits indicate another capacitance.

Examples:

105	=	1,000,000pF	=	1,000nF	=	1uF
106	=	10,000,000pF	=	10,000nF	=	10uF

③ Capacitance Tolerance



TOLERANCE	±5%	±10%	±20%
CODE	J	K	M

④ Rated Voltage

Code for AC Voltage: (expressed in two digit code)

VOLTAGE	450V
CODE	45

⑤ Terminal Configuration

FORM	Fast-on Terminal	Fast-on Terminal + Stud
CODE	A	C
FORM STYLE		

⑥ Case Diameter

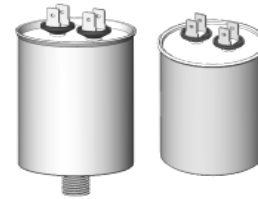
Case Diameter (mm)	40	45	50	55	60	63.5
CODE	40	45	50	55	60	63

Metalized Polypropylene Film Capacitor(Aluminium Can) AC Application

APA

交流马达电容

APA series is oil-filled type film capacitor constructed with metallized polypropylene in aluminium casing, fast-on terminal. They are suitable as AC motor run capacitor.



APPLICATION

General AC applications

Motor run capacitor.

FEATURES

Low DF.

Self-healing properties.

Overpressure disconnection device.

10KAFC protected(certification No. E349587).

SPECIFICATIONS

Reference Standard:	IEC60252, UL810
Climatic Category:	40/85/21 / IEC60068-1
Operating Temperature Range:	-40°C to +85°C
Rated Voltage:	~450Vac 50/60Hz
Capacitance Range:	2uF ~100uF
Capacitance Tolerance:	±5% or ±10% at +25°C
Dissipation Factor (DF):	≤ 0.001 (0.1%) at 100Hz at +25°C
Test Voltage Between Terminals:	2.15 x rated voltage for 10s (terminal to terminal)
Test Voltage Terminal to Case:	2.0KVac 50 Hz for 10 sec at +25°C
Insulation Resistance:	IR x C ≥ 3,000 Seconds at 100VDC 1 minute at +25°C
Life Expectancy:	10,000 hours at Un @ Hot-Spot temperature T=+70°C
Max Hot-spot Temperature:	≤ +85°C
Storage Temperature:	-40°C ~ +85°C
Degree of Protection:	IP 00
Max Permissible Altitude:	2000 m above sea level
Mounting:	Vertical or Horizontal
Packaging:	Packed in cardboard boxes with protection for the terminals
RoHS Compliant:	Compliant with requirements of directive 2002/95/EC
Over Voltage:	1.1Un up to 8h / day 1.15Un up to 30 min / day 1.2Un up to 5 min/day, only 200 times in the life of the capacitor 1.3Un up to 1 min/day, only 200 times in the life of the capacitor
Permissible Humidity:	Annual average ≤95% on 30days/ year. Dewing not admissible

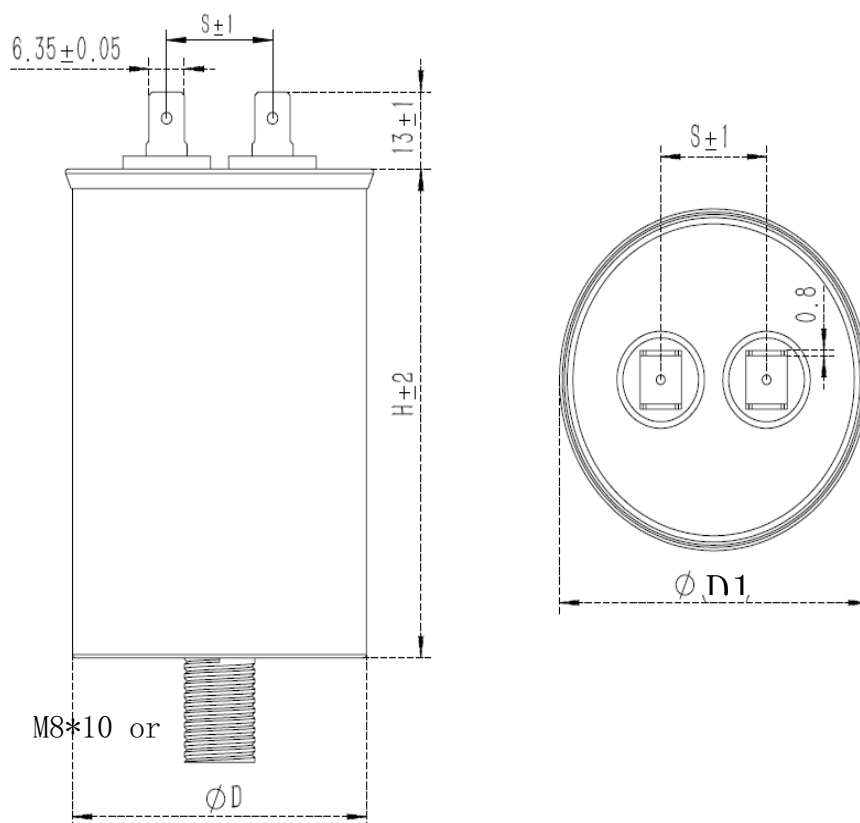
Metallized Polypropylene Film Capacitor(Aluminium Can) AC Application

APA

交流马达电容

■ DIMENSIONS

Style:Fast-on Terminals



NOTES

Diameter D (mm)	35	40	45	50	55	60
Pitch S (mm)	13.5	16	18	18	20	20

Metallized Polypropylene Film Capacitor(Aluminium Can) AC Application

APA

交流马达电容

■ PART NUMBER REFERENCE AND DIMENSIONS

Vac	Cap	D ±1	D1 ±1	H ±2	S ±1	Part Number
		mm	mm	mm	mm	
450	2.0	40.0	43.0	55.0	16.0	APA-205K45*40
450	3.0	40.0	43.0	55.0	16.0	APA-305K45*40
450	4.0	40.0	43.0	55.0	16.0	APA-405K45*40
450	5.0	40.0	43.0	55.0	16.0	APA-505K45*40
450	7.5	40.0	43.0	65.0	16.0	APA-755K45*40
450	10.0	40.0	43.0	65.0	16.0	APA-106K45*40
450	12.5	40.0	43.0	75.0	16.0	APA-126K45*40
450	15.0	40.0	43.0	75.0	16.0	APA-156K45*40
450	17.5	40.0	43.0	75.0	16.0	APA-176K45*40
450	20.0	50.0	53.0	65.0	18.0	APA-206K45*50
450	25.0	50.0	53.0	75.0	18.0	APA-256K45*50
450	30.0	50.0	53.0	85.0	18.0	APA-306K45*50
450	35.0	50.0	53.0	85.0	18.0	APA-356K45*50
450	40.0	50.0	53.0	100.0	18.0	APA-406K45*50
450	45.0	50.0	53.0	110.0	18.0	APA-456K45*50
450	50.0	50.0	53.0	110.0	18.0	APA-506K45*50
450	55.0	50.0	53.0	125.0	18.0	APA-556K45*50
450	60.0	50.0	53.0	125.0	18.0	APA-606K45*50
450	65.0	55.0	58.0	110.0	20.0	APA-656K45*55
450	70.0	55.0	58.0	125.0	20.0	APA-706K45*55
450	80.0	60.0	63.0	125.0	20.0	APA-806K45*60
450	100.0	63.5	66.5	125.0	20.0	APA-107K45*63

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

Metalized Polypropylene Film Capacitor(Aluminium Can) AC Application

APR

订购基本规格

EXPLANATION OF ARTICLE CODE

Example: APR 1+1uF ±10% 450Vac, Diameter: 50mm, Fast-on Terminal, Lead Space: 20mm

APR -	0101	K	45	C	40
①	②	③	④	⑤	⑥

① Capacitor Type

TYPE	APR
CODE	APR-

② Rated Capacitance

The first 2 digits indicate a capacitance, and the last 2 digits indicate another capacitance.

Examples:

Capacitance	1uF+1uF	10uF+1uF	55uF+5uF	75uF+10uF
CODE	0101	1001	5505	7510

③ Capacitance Tolerance



TOLERANCE	±5%	±10%	±20%
CODE	J	K	M

④ Rated Voltage

Code for AC Voltage: (expressed in two digit code)

VOLTAGE	450V
CODE	45

⑤ Terminal Configuration

FORM	Fast-on Terminal	Fast-on Terminal + Stud
CODE	A	C
FORM STYLE		

⑥ Case Diameter

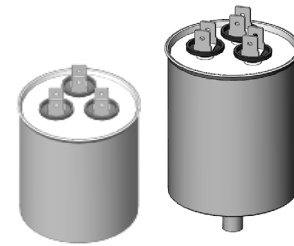
Case Diameter (mm)	40	45	50	55	60	63.5
CODE	40	45	50	55	60	63

Metallized Polypropylene Film Capacitor(Aluminium Can) AC Application

APR

字母式交流马达电容

APR series is oil-filled type film capacitor constructed with metallized polypropylene in aluminium casing, fast-on terminal. They are suitable as AC motor run capacitor.



APPLICATION

General AC applications

Motor run capacitor.

FEATURES

Low DF.

Self-healing properties.

Overpressure disconnection device.

10KAFC protected(certification No. E349587).

SPECIFICATIONS

Reference Standard:	IEC60252, UL810
Climatic Category:	40/85/21 / IEC60068-1
Operating Temperature Range:	-40°C to +85°C
Rated Voltage:	~450Vac 50/60Hz
Capacitance Range:	15+1.5µF~80+15µF
Capacitance Tolerance:	±5% or ±10% at +25°C
Dissipation Factor (DF):	≤ 0.001 (0.1%) at 100Hz at +25°C
Test Voltage Between Terminals:	2.15 x rated voltage for 10s (terminal to terminal)
Test Voltage Terminal to Case:	2.0KVac 50 Hz for 10 sec at +25°C
Insulation Resistance:	IR x C ≥ 3,000 Seconds at 100VDC 1 minute at +25°C
Life Expectancy:	10,000 hours at Un @ Hot-Spot temperature T=+70°C
Max Hot-spot Temperature:	≤ +85°C
Storage Temperature:	-40°C ~ +85°C
Degree of Protection:	IP 00
Max Permissible Altitude:	2000 m above sea level
Mounting:	Vertical or Horizontal
Packaging:	Packed in cardboard boxes with protection for the terminals
RoHS Compliant:	Compliant with requirements of directive 2002/95/EC
Over Voltage:	1.1Un up to 8h / day 1.15Un up to 30 min / day 1.2Un up to 5 min/day, only 200 times in the life of the capacitor 1.3Un up to 1 min/day, only 200 times in the life of the capacitor
Permissible Humidity:	Annual average ≤95% on 30days/ year. Dewing not admissible

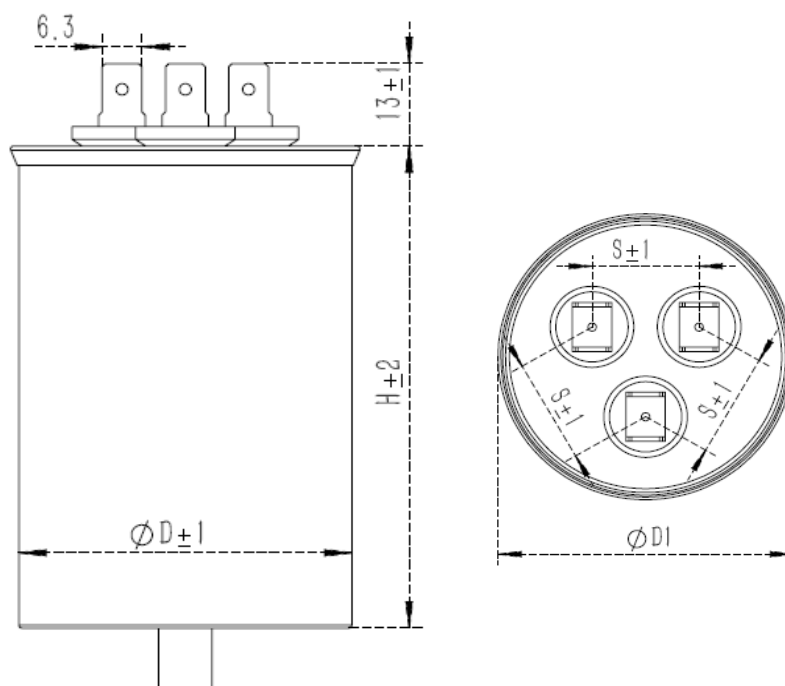
Metallized Polypropylene Film Capacitor(Aluminium Can) AC Application

APR

字母式交流马达电容

■ DIMENSIONS

Style: Fast-on Terminals



■ PART NUMBER REFERENCE AND DIMENSIONS

Vac	Cap	D ± 1	D1 ± 1	H ± 2	S ± 1	Part Number
	Value					
	uF					
450	15+1.5	50.0	53.0	75.0	20.0	APR-1515K45C50
450	20+1.5	50.0	53.0	85.0	20.0	APR-2015K45C50
450	25+3	50.0	53.0	85.0	20.0	APR-2503K45C50
450	30+5	50.0	53.0	95.0	20.0	APR-3005K45C50
450	35+5	50.0	53.0	105.0	20.0	APR-3505K45C50
450	40+5	50.0	53.0	120.0	20.0	APR-4005K45C50
450	45+5	50.0	53.0	120.0	20.0	APR-4505K45C50
450	45+7.5	50.0	53.0	125.0	20.0	APR-4575K45C50
450	50+5	50.0	53.0	125.0	20.0	APR-5005K45C50
450	50+7.5	50.0	53.0	125.0	20.0	APR-5075K45C50
450	55+7.5	55.0	58.0	125.0	20.0	APR-5575K45C55
450	60+7.5	55.0	58.0	125.0	20.0	APR-6075K45C55
450	65+7.5	60.0	63.0	120.0	20.0	APR-6575K45C60
450	70+7.5	60.0	63.0	125.0	20.0	APR-7075K45C60
450	80+10	60.0	63.0	135.0	20.0	APR-8010K45C60

* For enquiry on items not within the above range or with special dimensions, please contact us for availability.

* Specifications are subject to change, please refer to approval sheets for final or mutually agreed specifications.

 **EUROPTRONIC**

DIELECTRIC MATERIALS

The electrical characteristics of a plastic film capacitor are to a great extent dictated by the properties of the dielectric materials used.

Polyester (PE) Film

has higher dielectric losses, as a result, is generally suitable for applications at frequencies 10KHz or less.

It has higher dielectric constant, thus, it can produce high capacitance values in smaller package sizes.

It also has wider working temperature range than other common used dielectric materials.

PE film capacitors are regarded as “general purpose capacitors”, providing the best volume efficiency of all film capacitors at moderate cost and preferably used for DC applications, such as decoupling, by-passing, blocking, and noise suppressions.

Polypropylene (PP) Film

has relatively low dissipation factor and dielectric loss, as a result, is suitable for applications of high voltage, high frequency and high pulse current.

It has rather narrow working temperature range, a lower dielectric constant and a negative temperature coefficient.

PP film capacitors are typically used in AC and pulse applications at high frequency, such as Flyback tuning and correction.

They are furthermore used in switching power supplies and snubber applications, in frequency discrimination and filter circuits, as well as in energy storage and sample & hold applications.

FILM CAPACITORS

Plastic film capacitors are generally subdivided into film / foil capacitors and metallized film capacitors.

Film / Foil Capacitors

Film / foil capacitors basically consist of two metal foil electrodes that are separated by an insulating plastic film also called dielectric. The terminals are connected to either the surface of the electrodes (usually inductive type) or the endfaces of the electrodes (non-inductive type). Film / foil capacitors provide high dielectric strength, excellent current-carrying and pulse-handling capability and capacitance stability.

Metallized Film Capacitors

The electrodes of a metallized film capacitor consist of an extremely thin aluminum layer (thickness from 0.02um to 0.1um) that is vacuum deposited either onto the dielectric film or onto a carrier film. The dielectric materials, currently used in capacitors, range from 0.9um to 20um thickness. The endfaces of a wound capacitor element are sprayed with some solder materials, and then respectively connected with one terminal by means of welding or soldering. These capacitors provide high volume efficiency and self-healing properties.

Self-healing Properties of Metallized Film Capacitor

Self-healing is the removal of a defect caused by pinholes, film flaws or external voltage transients. The heat generated by the arcing during a breakdown, evaporates the extremely thin metallization of the film around the point of failure, thereby removing and isolating the short circuit conditions.

The self-healing process requires only uW of power and a defect is normally isolated in less than 10us. Extensive and continuous self-healing (e.g. at misuses) will gradually decrease the capacitance value.

Dielectric Properties (Typical Values)

PARAMETER	Dielectric Constant @25°C/50Hz	Minimum Thickness (micron)	Max. Working Temperature (°C)	D.F. at 1 KHz (%)	Insulation Resistance (MΩ • uF)	Moisture Absorption % in weight	Temperature Coefficient (ppm / °C)
PE	3.2	1	125	0.5	25,000	0.4	+400 ± 200
PP	2.2	4	105	0.02	100,000	0.01	- 200 ± 100

Rated Voltage (V_R)

The rated voltage is the voltage for which a capacitor is designed. It is defined as the maximum DC or AC (RMS) voltage or pulse voltage that may be applied continuously to the terminals of a capacitor up to an operating temperature of +85°C. The rated voltage is dependent upon the property of the dielectric material, the film thickness and the operating temperature. Above +85°C, but below the maximum temperature, the rated voltage has to be derated in accordance to the dielectric material used.

Test Voltage or Dielectric Strength (V_T)

The V_T of a capacitor is higher than the V_R and may only be applied for a limited time. The dielectric strength is measured between the electrodes. The time applied is typically two seconds. The occurrence of self-healing during the application of the test voltage is permitted for metallized film capacitors.

AC Voltage (V_{AC})

The AC voltage rating in this catalogue refer to clean sinusoidal voltages without transients. The capacitors in this catalogue, except MPX type, must, therefore not be operated in main applications (e.g. Across the line). For operations in a higher frequency range, the applied AC voltage has to be derated. The derated V_{AC} are provided in the graphs "Permissible AC Voltage vs Frequency Curves" of this catalogue.

Pulse Voltage

The RMS value of a pulse voltage (V_{RMS}) must not exceed the rated AC voltage ($V_{R(AC)}$) of the capacitor.

$$V_{R(AC)} \geq V_{RMS}$$

The peak value of the pulse voltage (V_{o-p}) must not exceed the rated DC voltage ($V_{R(DC)}$) of the capacitor.

$$V_{R(DC)} \geq V_{o-p}$$

Superimposed AC Voltage

When a AC voltage is superimposed to a DC voltage, The sum of both the DC voltage (V_{DC}) and the peak value of the AC voltage (V_{o-p}) must not exceed the rated DC voltage ($V_{R(DC)}$) of the capacitor.

$$V_{R(DC)} \geq V_{DC} + V_{o-p}$$

Ambient Temperature (T_{amb})

The ambient temperature is the temperature in the immediate surrounding of the capacitor. It is identical to the surface temperature of an unloaded capacitor.

Maximum Temperature (T_{max})

The maximum temperature or upper category temperature is the highest temperature at which a capacitor may still be operated. At load operations, the sum of T_{amb} and temperature rise (ΔT) caused by the load conditions, must not exceed the maximum temperature (T_{max}).

Minimum Temperature (T_{min})

The minimum temperature or lower category temperature is the lowest temperature at which a capacitor may still be operated.

Rated Capacitance (C_R)

The rated capacitance is defined as the capacitive part of an equivalent series circuit consisting of capacitance and equivalent series resistance (ESR).

C_R is the capacitance for which the capacitor is designed. Its value is typically measured at a voltage of 1 V_{RMS} maximum, a frequency of 1 KHz $\pm 20\%$, and a temperature of +20°C. The capacitance tolerance indicates the acceptable deviation from the C_R at +20°C. As the dielectric constant of plastic film is frequency dependent, the capacitance value will decrease with increasing frequency. High relative humidity may increase the capacitance value. And the capacitance changes due to moisture are reversible.

Capacitance Drift (Longterm Stability)

In addition to reversible changes, the capacitance of a capacitor is also subject to irreversible changes (also known as "drift"). The drift is dependent upon the dielectric material. The drift decrease gradually over the time. Frequent and extreme temperature changes may increase the drift value.

Temperature Coefficient (TC)

The temperature coefficient is the average capacitance change over a specified temperature range. It indicates how much a capacitance changes referred to +20°C, if the temperature changes by 1°C. The TC is typically expressed in ppm / °C. The TC can either be positive or negative, depending upon the dielectric material.

$$TC = \frac{(C_2 - C_1) \times 1,000,000}{C_{20} \times (T_2 - T_1)} \text{ (ppm / } ^\circ\text{C)}$$

C_1 = capacitance at temperature T_1 (μF)

C_2 = capacitance at temperature T_2 (μF)

C_{20} = reference capacitance at +20 $\pm 2^\circ\text{C}$ (μF)

Dissipation Factor (DF) ($\tan\delta$)

The dissipation factor, also known as “ $\tan\delta$ ”, is the ratio of the ESR to the capacitive reactance X_C (series capacitance) or the active power to the reactive power at a sinusoidal voltage of a specified frequency. The DF reflects the polarization losses of the dielectric film and the losses caused by the contact resistances of the capacitor. Parallel losses due to the insulation resistance of film capacitors can be neglected.

The DF is temperature and frequency dependent.

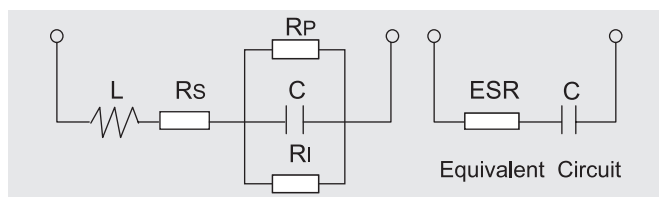
$$DF = \tan\delta = \frac{ESR}{X_C}$$

The reciprocal value of DF is also known as Q-factor.

$$Q = \frac{1}{\tan\delta}$$

Equivalent Series Resistance (ESR)

The ESR is the ohmic part of an equivalent series circuit. Its value assumes all losses to be represented by a single resistance in series with the idealized capacitor.



The ESR consists of the polarization losses of the dielectric material (R_P), the insulation resistance (R_I) and the losses caused by resistance of the leads, termination and electrodes (R_S).

$$ESR = \frac{\tan\delta}{2\pi f C} \text{ (} \Omega \text{)}$$

Insulation Resistance (R_I) and Time Constant (t)

The insulation resistance is the ratio of an applied DC voltage to the resulting leakage current (I_L), flowing through the dielectric and over its body surface after the initial charging current has ceased.

The R_I is typically measured after 60 ± 5 sec. At $+20^\circ C$ and a relative humidity (R.H.) of $50 \pm 2\%$.

$$R_I = \frac{V_{DC}}{I_L} \text{ (} \Omega \text{)}$$

The R_I depends upon the property and the quality of the dielectric material and the capacitor's construction. The R_I decreases with increasing temperature and / or increasing humidity. R_I changes due to moisture are reversible. For capacitors with high C values, the R_I is shown as time constant (t). It is the product of R_I and capacitance and is expressed in second Or $M\Omega \cdot \mu F$.

$$t = R_I \times C \text{ (} M\Omega \cdot \mu F \text{)}$$

Inductance (L)

The inductance of a capacitor is dependent upon the geometric design of the capacitor element and the length and the thickness of the contacting terminals. Typical inductance values of radial leaded capacitor types are $1.0 \text{ nH} / 1 \text{ mm}$ lead length.

Impedance (Z)

The impedance Z is the magnitude of the vectorial sum of ESR and the capacitive reactance X_C in an equivalent series circuit under consideration of the series inductance L .

$$Z = \sqrt{ESR^2 + (\omega L - 1/\omega C)^2}$$

Dissipation Power (PD)

$$PD = V_{RMS}^2 \times 2\pi f C \times \tan\delta \times 1000 \text{ (mW)}$$

PD = dissipation power (mW)

V_{RMS} = applied RMS voltage (V)

f = frequency (Hz)

C = capacitance (F)

$\tan\delta$ = dissipation factor at frequency f

Resonant Frequency (f_R)

The f_R is a function of the capacitance C and the inductance L of a capacitor. At resonant frequency, the capacitive reactance equals the inductive reactance ($1/\omega C = \omega L$). At its lowest point of the resonant curve, only ohmic value is effective, and the impedance Z equals the ESR. Above the f_R , the inductive part of the capacitor prevails.

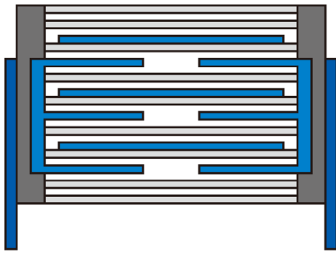
Pulse Rise Time (dv / dt)

The pulse rise time indicates the ability of a capacitor to withstand rapid voltage changes and hence high current peaks. The dv / dt value, expressed in $V / \mu s$, represents the steepest voltage gradient of the pulse (rise or fall time). The dv / dt value depends upon the properties of the dielectric material, the film thickness and the capacitor's construction. For film-foil capacitors the applied dv / dt is not limited, if the temperature rise caused by the pulse load is still under its limit.

Pulse Load and Current Handling Capability

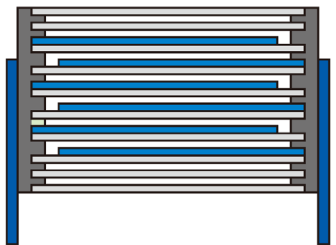
To prevent a capacitor from overheating, the following factors of applied pulse load have to be considered: maximum pulse voltage (V_{p-p}), pulse shape, dv / dt , frequency, pulse current, T_{amb} and cooling conditions.

For critical applications, please forward your voltage and current waveforms (the worst case conditions) for our type proposal.



METALLIZED FILM & FILM-FOIL DESIGN
(INTERNAL SERIES)

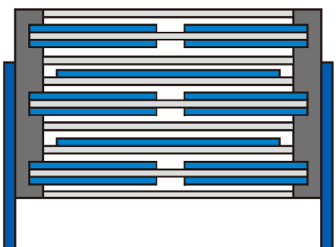
MPPS, PPSB



EXTENDED METALLIZED FILM DESIGN

MPH, MPHb, MPHm, MPEM, DMPE, MPX2,
MPX2(THB), MPXB,

DPB, DPBG, DPG, DPM, DPV, DPS, APB, APBG,
APW, APWG, APM, APT, APA, APR



METALLIZED FILM & DOUBLE SIDE
METALLIZED DESIGN
(INTERNAL DESIGN)

MPLB, SLB, SLE, SLW

Waveform							
RMS Value	$\frac{V_{0-p}}{\sqrt{2}}$	$V_{0-p} \sqrt{\frac{t}{2T}}$	$\frac{V_{0-p}}{\sqrt{2}}$	$\frac{V_{0-p}}{\sqrt{3}}$	$V_{0-p} \sqrt{\frac{t}{3T}}$	V_{0-p}	$V_{0-p} \sqrt{\frac{t}{T}}$

Global Offices



Headquarter

Nantong Jianghai Capacitor Co., Ltd.

No.79 Tongyang South Road, Pingchao Town,
Nantong City, Jiangsu Province
PRC 226361
Tel: (86) 513-86726012; (86) 513-86726080
Fax: (86) 513-86723859

Manufacturing Plant

Europtronic (Suzhou) Co., Ltd.

No.1618 Yundongdadao,
Wujiang Economic Development Zone,
Suzhou, Jiangsu Province,
PRC 215200.
Tel: (86) 512-63401650
Fax: (86) 512-63401648

Sales Contact

China

Tel: (86) 512-63401650 ext 100
Email: sales@europtronic.com

Taipei

Tel: (886) 970060611
Email: sales.tw@europtronic.com

India

Tel : (91) 124-4245517
Email: sales@europtronic-india.com

US/Europe

Tel: (44) 77-96833339
Email: sales.us@europtronic.com

General Enquiries

marketing@europtronic.com