WYE Series

Part Numbering System

Metallized Polyester Film Capacitors

Example:

WYE	-	102	M	L04	(51)
(1)		(2)	(3)	(4)	(5)

(1) Metallized Polyester Film Capacitors(Y2)
WYE = WYE Series

(2) Capacitance
Example: **103** = 0.010µF
WYE Series available in 0.001-0.0068µF

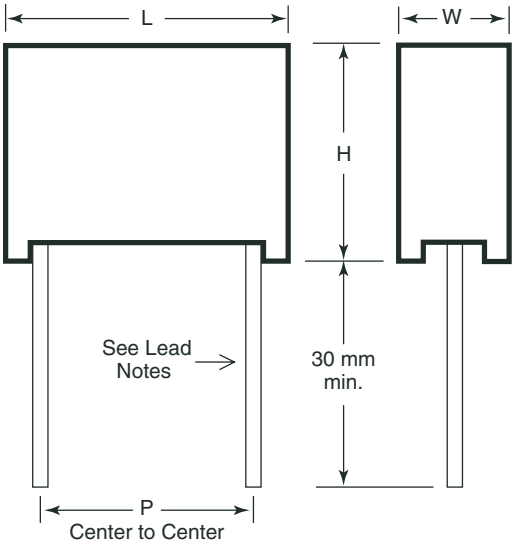
(3) Tolerance
M = ±20%

(4) Lead Lengths
Nil = 30mm min, Solid uninsultated wire ø = 0.8mm diameter
L04 = 4 ± 1mm, Solid uninsultated wire ø = 0.8mm diameter
L05 = 5 ± 1mm, Solid uninsultated wire ø = 0.8mm diameter
L06 = 6 ± 1mm, Solid uninsultated wire ø = 0.8mm diameter

(5) Custom Lead Length suffix
Example: **(45)** = 45mm lead length*

* If longer lead length other than standard 30mm min is required that lead length is noted after the part number (i.e.: for 45mm lead length (45).)

Uninsulated Leads



WYE Series (continued)

WYE Dimensions

Part Number	L max mm	H max mm	W max mm	P ±0.5 mm	Quantity Per Box	
					Long Lead 30-35mm	Short Lead 4, 5, 6mm
WYE-102M	13.0	10.5	4.5	10.0	1000	2200
WYE-152M	13.0	10.5	4.5	10.0	1000	2200
WYE-222M	13.0	10.5	5.5	10.0	1000	1800
WYE-252M	13.0	10.5	5.5	10.0	1000	1800
WYE-332M	13.0	12.5	5.5	10.0	800	1500
WYE-392M	13.0	12.5	5.5	10.0	800	1500
WYE-472M	13.0	13.5	5.5	10.0	800	1400
WYE-682M	18.0	14.0	5.5	15.0	500	1000

WYE Specifications

Part Number	Capacitance	Tolerance	dv/dt	Dissipation Factor (DF)	Insulation Resistance (IR)	Test Voltage for 2 seconds	Rated Voltage 50/60Hz	Typical Resonant Frequencies
	µF	%	v/µs	% at 1KHz	MΩ	VDC	VAC	fo - MHz
WYE-102M	0.0010	±20	1000	≤0.8	≥30000	3000	250	53
WYE-152M	0.0015	±20	1000	≤0.8	≥30000	3000	250	42
WYE-222M	0.0022	±20	1000	≤0.8	≥30000	3000	250	35
WYE-252M	0.0025	±20	1000	≤0.8	≥30000	3000	250	33
WYE-332M	0.0033	±20	1000	≤0.8	≥30000	3000	250	29
WYE-392M	0.0039	±20	1000	≤0.8	≥30000	3000	250	25
WYE-472M	0.0047	±20	1000	≤0.8	≥30000	3000	250	21
WYE-682M	0.0068	±20	600	≤0.8	≥30000	2700	250	19

1. All measurements are based on 5mm lead lengths at nominal C values.
2. Actual resonant frequencies will depend also on the total length of the circuit connections to the capacitor terminals and capacitor's actual C value.
3. Our factory tests each production lot for 100% to the test voltages listed above. After the test voltage has been applied, 100% of all production is tested for DF, IR and capacitance to insure all suppressors comply with electrical specifications.