

FUJI Power Semiconductors

IGBT Modules Selection Guide

Standard 1-pack/
2-pack/chopper **Page 5**



High Power
Module **Page 9**



6-pack **Page 11**



AT-NPC 3 level
Module **Page 13**



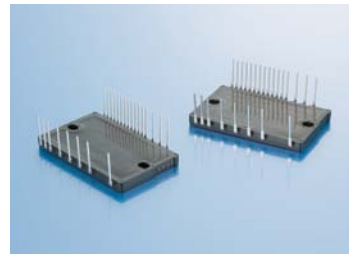
Small PIM **Page 14**



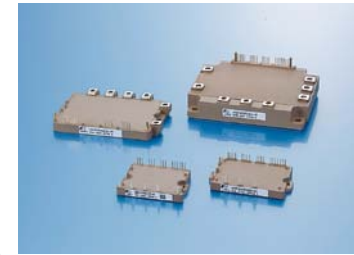
PIM **Page 15**



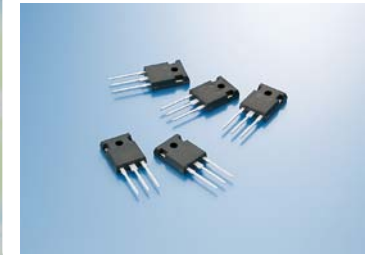
Small IPM **Page 17**



IPM **Page 17**

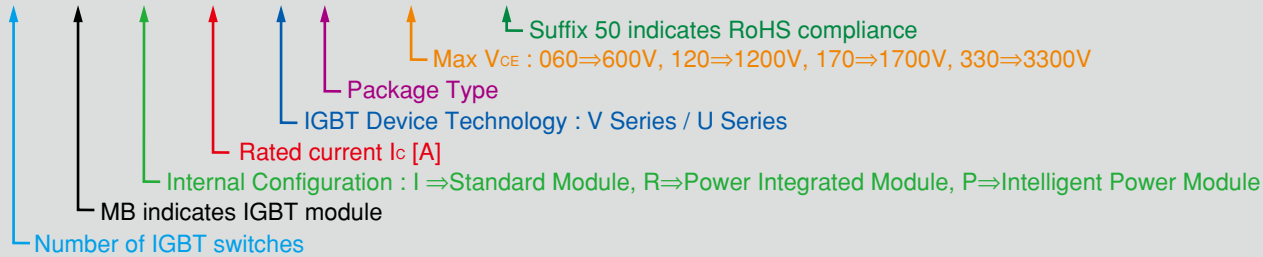


Discrete IGBT **Page 20**



IGBT Module Production Number

6 MB I 300 V H - 120 - 50



Number of IGBT Switches	Products Category	Page	Internal Configuration				Max V_{CE}				Rated Current					
			IGBT Module			Discrete IGBT	600V	1200V	1700V	3300V	≤50A	>50A ≤150A	>150A ≤300A	>300A ≤600A	>600A ≤1200A	>1200A
1	Standard 1-pack Chopper	5	○					○	○					○	○	
		5	○				○	○		○	○					
2	Standard 2-pack	6	○				○	○	○			○	○			
		7					○	○	○			○	○			
1,2	High Speed Module High Power Module	8	○				○	○	○			○	○			
		9	○				○	○	○	○			○	○	○	
6	6-pack	10	○				○	○	○				○	○	○	
		11					○	○	○	○	○	○				
		12	○				○	○	○	○			○	○		
4,12	AT-NPC 3 level	13	Reverse-Blocking IGBTs are integrated.				○	○	○	○	○	○	○	○		
7	PIM	14					○	○	○	○	○					
		15		○			○	○	○	○	○					
		16					○	○	○	○	○					
		17					○	○	○	○	○					
6,7	IPM	18			○		○	○	○	○	○	○	○			
		19					○	○	○	○	○	○	○			
		20					○	○	○	○	○	○	○			
1	Discrete IGBT	20				○	○	○	○	○	○					

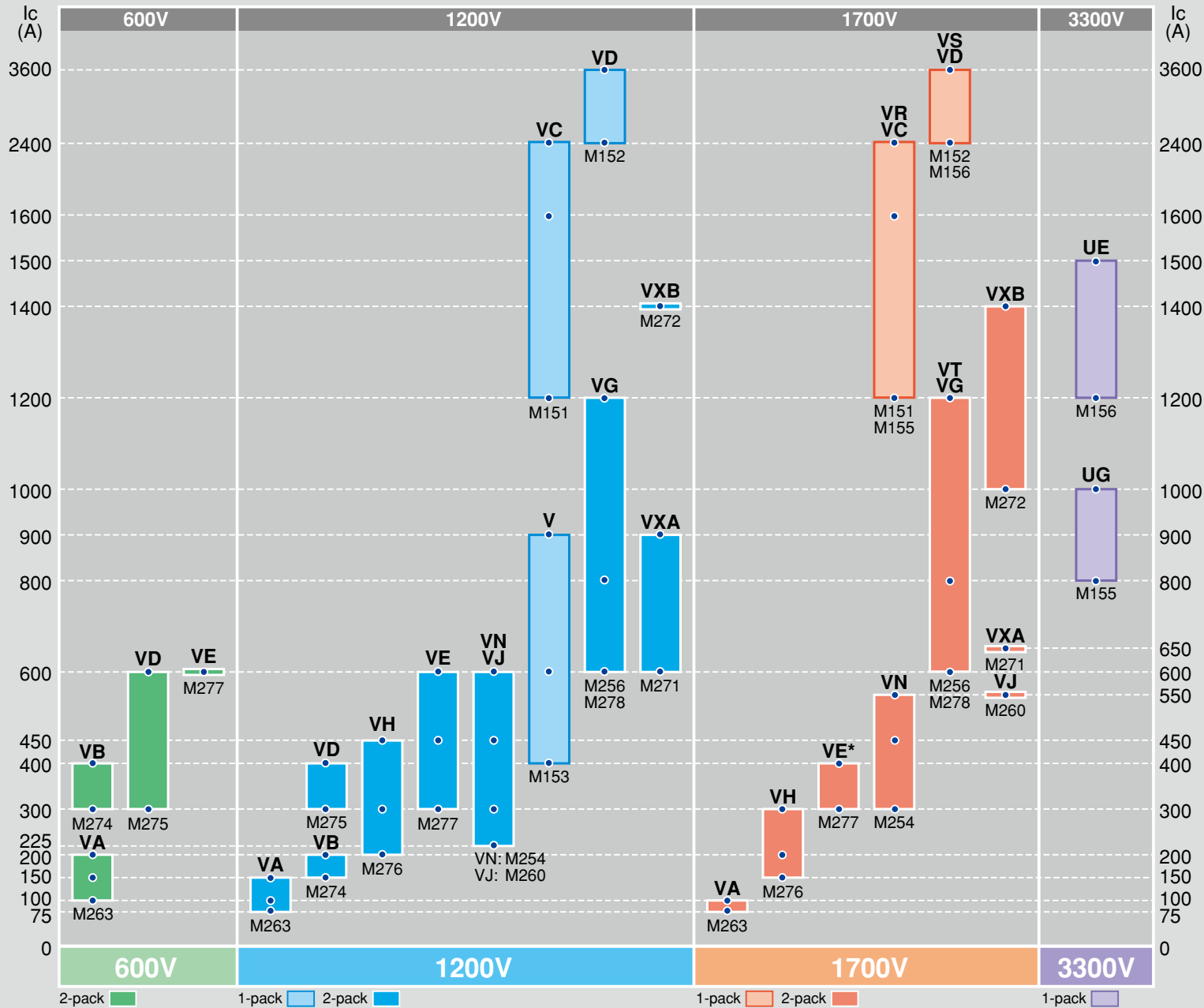
Note: Prime PACK™ is registered trademark Infineon Technology AG, Germany.

Discrete IGBT Production Number

FG W 35 N 60 HD



1-pack / 2-pack Products Map



1-pack

IGBT series & Package type	- Vces	
V	62 × 108 mm	Standard Pack
VC, VR, UG	140 × 130 mm	High Power Module
VD, VS, UE	140 × 190 mm	High Power Module

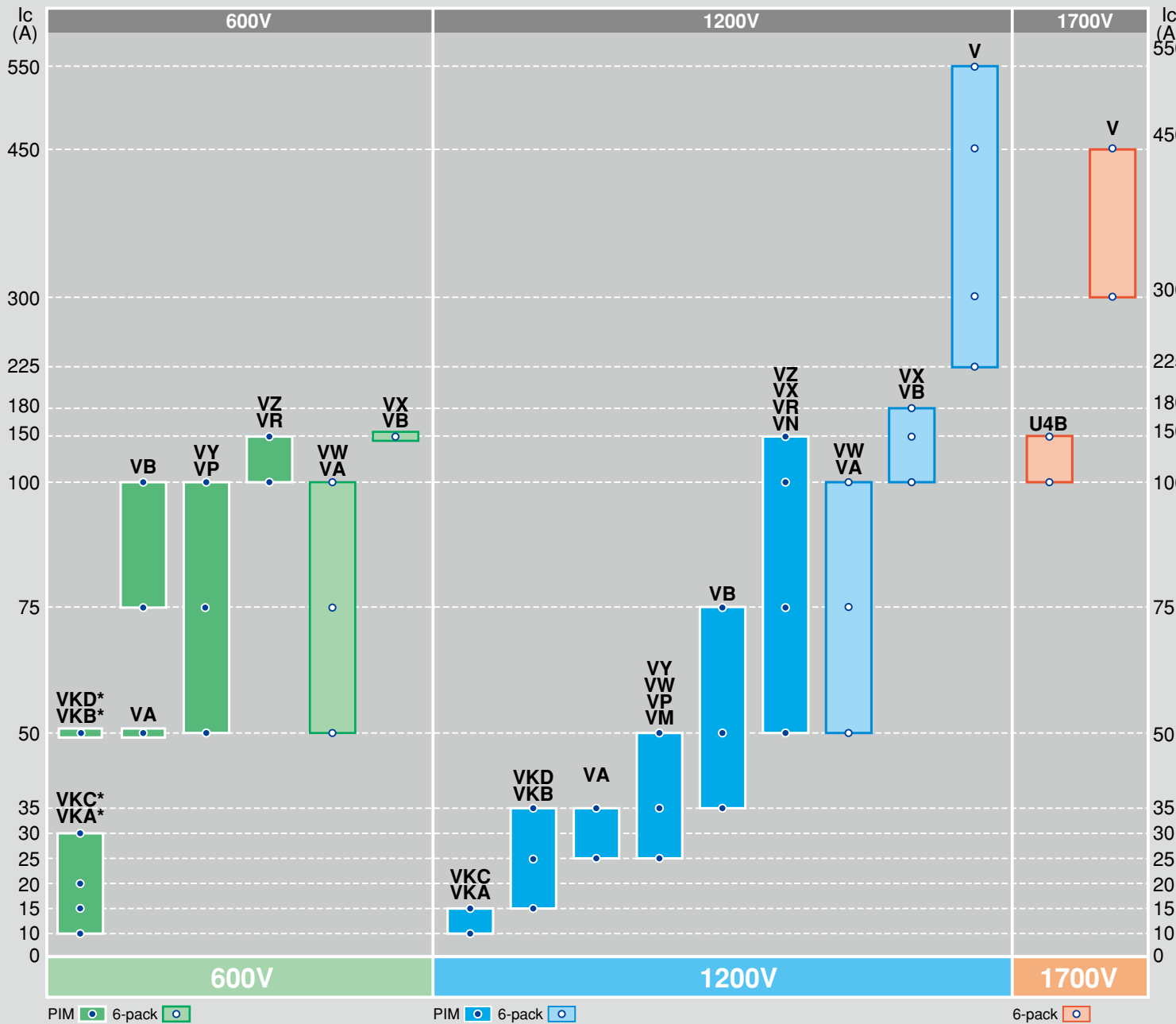
2-pack

IGBT series & Package type	- Vces	
VA	34 × 94 mm	Standard Pack
VB	45 × 92 mm	
VD	62 × 108 mm	
VE*	80 × 110 mm	
VH	62 × 108 mm	
VJ, VN	62 × 150 mm	
VG, VT	140 × 130 mm	High Power Module
VXA	89 × 172 mm	Prime PACK™
VXB	89 × 250 mm	

Prime PACK™ is registered trademark of Infineon Technology AG, Germany

* Under development

PIM & 6-pack Products Map



Power Integrated Module

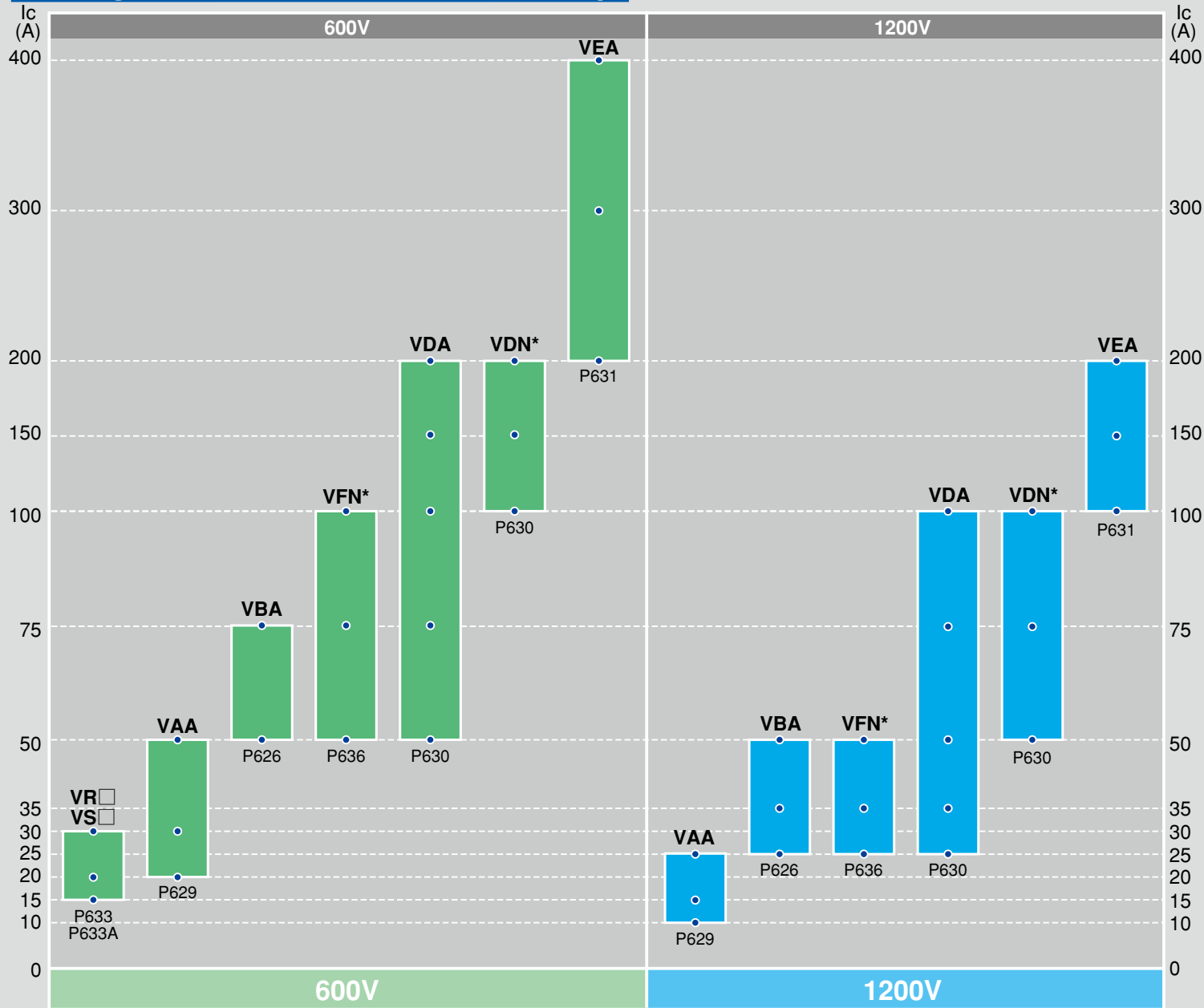
7MBR Ic	IGBT series & Package type	Vces
	VKA*, VKC*	33.8 × 62.8 mm
	VKB*, VKD*	56.7 × 62.8 mm
	VA, VM, VP, VW, VY	45 × 107.5 mm
	VB, VN, VR, VX, VZ	62 × 122 mm

6-pack

6MBI Ic	IGBT series & Package type	Vces
	VA, VW	45 × 107.5 mm
	VB, VX, U4B	62 × 122 mm
	V	150 × 162 mm

* Under development

Intelligent Power Module Products Map



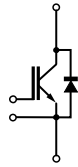
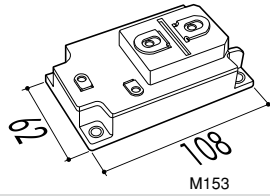
6/7MBP Ic	IGBT series & Package type	- Vces		7 in 1	6 in 1
	VR□, VS□	26 ×	43 mm	-	○
	VAA	49.5 ×	70 mm	-	○
	VBA	50.2 ×	87 mm	-	○
	VDA, VDN*	84 ×	128.5 mm	○	○
	VEA	110 ×	142 mm	○	○
	VFN*	55 ×	90 mm	○	○

VR□, VS□, type is Small IPM with High Voltage Driver-IC.
 Thermal impedance of VDN type is lower than VDA type.
 Thermal impedance of VFN type is lower than VBA type.

* Under development

Standard 1-pack

1-pack



mm

Ic

400A

600A

900A

1200V

V Series
Trench-FS

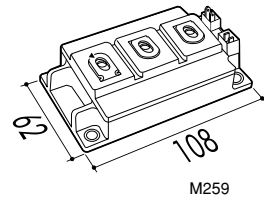
1MBI400V-120-50

1MBI600V-120-50

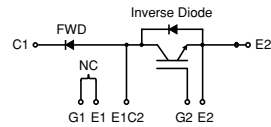
1MBI900V-120-50

Chopper

Chopper



M259



mm

Ic

200A

300A

50A

75A

100A

150A

600V

U Series
Planar-NPT

1MBI300U2H-060L-50

1200V

U Series
Trench-FS

1MBI200U4H-120L-50

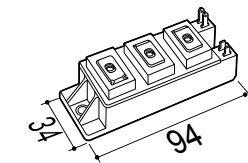
1MBI50U4F-120L-50

1MBI75U4F-120L-50

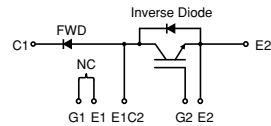
1MBI100U4F-120L-50

V Series
Trench-FS

1MBI150VA-120L-50



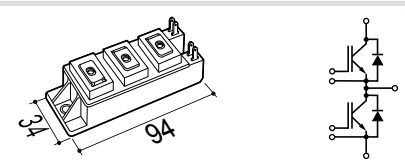
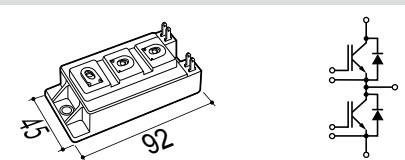
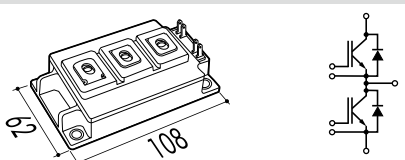
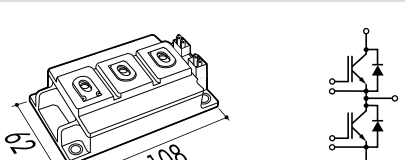
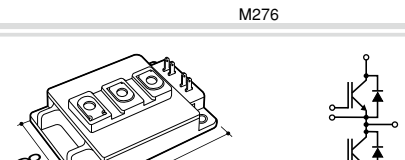
M262



Standard 2-pack

mm

2-pack

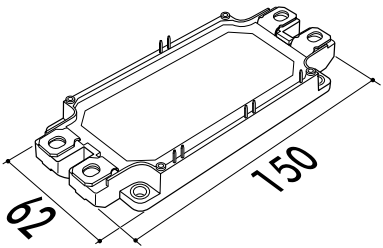
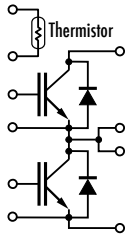
		600V	1200V	1700V
		V Series Trench-FS	V Series Trench-FS	V Series Trench-FS
		Ic		
 <p>M263</p>	75A		2MBI75VA-120-50	2MBI75VA-170-50
	100A	2MBI100VA-060-50	2MBI100VA-120-50	2MBI100VA-170-50
	150A	2MBI150VA-060-50	2MBI150VA-120-50	
	200A	2MBI200VA-060-50		
 <p>M274</p>	150A		2MBI150VB-120-50	
	200A		2MBI200VB-120-50	
	300A	2MBI300VB-060-50		
	400A	2MBI400VB-060-50		
 <p>M275</p>	300A		2MBI300VD-120-50	
	400A	2MBI400VD-060-50	2MBI400VD-120-50	
	600A	2MBI600VD-060-50		
 <p>M276</p>	150A			2MBI150VH-170-50
	200A		2MBI200VH-120-50	2MBI200VH-170-50
	300A		2MBI300VH-120-50	2MBI300VH-170-50
	450A		2MBI450VH-120-50	
 <p>M277</p>	300A		2MBI300VE-120-50	2MBI300VE-170-50*
	400A			2MBI400VE-170-50*
	450A		2MBI450VE-120-50	
	600A	2MBI600VE-060-50	2MBI600VE-120-50	

* Under development

Standard 2-pack

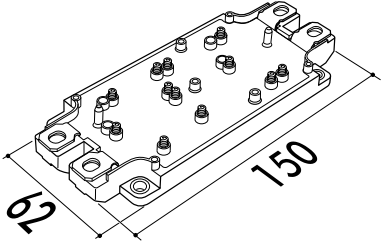
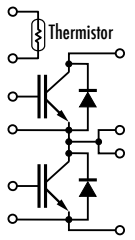
mm

With NTC, solder pins

M254

With NTC, spring contacts

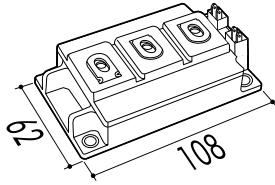
M260

Ic	1200V	1700V
	V Series Trench-FS	V Series Trench-FS
225A	2MBI225VN-120-50	
300A	2MBI300VN-120-50	2MBI300VN-170-50
450A	2MBI450VN-120-50	2MBI450VN-170-50
550A		2MBI550VN-170-50
600A	2MBI600VN-120-50	
225A	2MBI225VJ-120-50	
300A	2MBI300VJ-120-50	
450A	2MBI450VJ-120-50	
550A		2MBI550VJ-170-50
600A	2MBI600VJ-120-50	

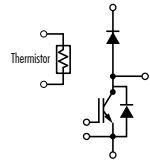
High Speed Module

mm

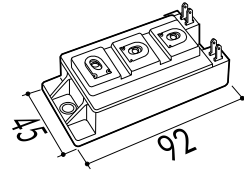
Chopper



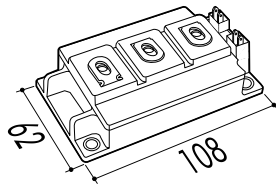
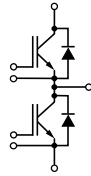
M249



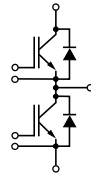
2-pack



M233



M249



1200V

High Speed IGBT

Ic

200A

1MBI200HH-120L-50

300A

1MBI300HH-120L-50

400A

1MBI400HH-120L-50

100A

2MBI100HB-120-50

150A

2MBI150HH-120-50

200A

2MBI200HH-120-50

High Power Module

mm

Ic

1200V

**V Series
Trench-FS**

Cu-baseplate

1700V

**V Series
Trench-FS**

Cu-baseplate

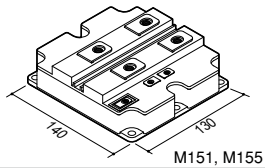
AlSiC-baseplate

3300V

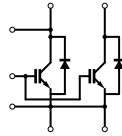
**U Series
Trench-FS**

AlSiC-baseplate

1-pack



M151, M155



800A

1000A

1200A

1600A

2400A

1MBI1200VC-120P

1MBI1200VC-170E

1MBI1200VR-170E

1MBI1600VC-120P

1MBI1600VC-170E

1MBI1600VR-170E

1MBI2400VC-120P

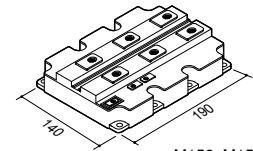
1MBI2400VC-170E

1MBI2400VR-170E

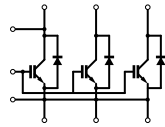
1MBI800UG-330

1MBI1000UG-330

2-pack



M152, M156



1200A

1500A

2400A

3600A

1MBI2400VD-120P

1MBI2400VD-170E

1MBI2400VS-170E

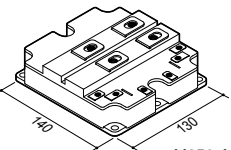
1MBI3600VD-120P

1MBI3600VD-170E

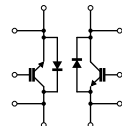
1MBI3600VS-170E

1MBI1200UE-330

1MBI1500UE-330



M256, M278



600A

800A

1200A

2MBI600VG-120P

2MBI600VG-170E

2MBI600VT-170E

2MBI800VG-120P

2MBI800VG-170E

2MBI800VT-170E

2MBI1200VG-120P

2MBI1200VG-170E

2MBI1200VT-170E

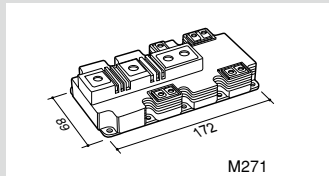
Note: M151, M152, M256: Cu-baseplate M155, M156, M278: AlSiC-baseplate

Prime PACK™

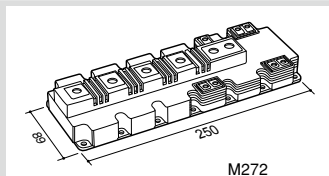
mm

Ic

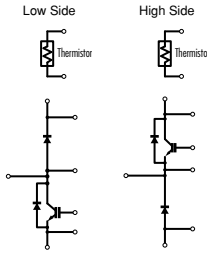
Chopper



M271



M272



650A

1000A

1400A

1200V

V Series
Trench-FS

Soft turn off
Low side configuration

Soft turn off
High side configuration

1700V

V Series
Trench-FS

Low switching loss
Low side configuration

Low switching loss
High side configuration

		1MBI650VXA-170EL-50 1MBI650VXA-170EL-54	1MBI650VXA-170EH-50 1MBI650VXA-170EH-54
		1MBI1000VXB-170EL-50 1MBI1000VXB-170EL-54	1MBI1000VXB-170EH-50 1MBI1000VXB-170EH-54

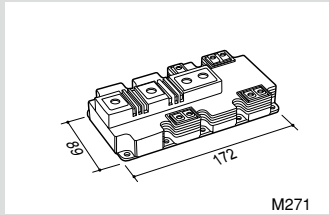
Note: The products with suffix '-54' on this page are labeled to specify the rank of V_{sat} and V_F .
PrimePACK™ is registered trademark of Infineon Technology AG, Germany.

Prime PACK™

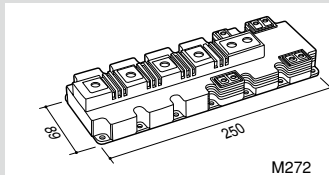
mm

Ic

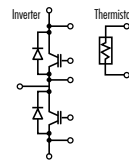
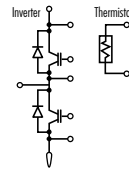
2-pack



M271



M272



600A

650A

900A

1000A

1400A

1200V

V Series
Trench-FS

Low switching loss

Soft turn off

1700V

V Series
Trench-FS

Low switching loss

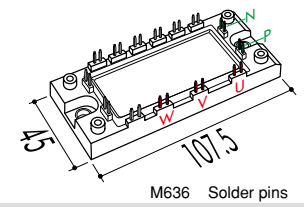
Soft turn off

	2MBI600VXA-120E-50 2MBI600VXA-120E-54			
			2MBI650VXA-170E-50 2MBI650VXA-170E-54 2MBI650VXA-170EA-50 2MBI650VXA-170EA-54	
	2MBI900VXA-120E-50 2MBI900VXA-120E-54	2MBI900VXA-120P-50 2MBI900VXA-120P-54		
			2MBI1000VXB-170E-50 2MBI1000VXB-170E-54 2MBI1000VXB-170EA-50 2MBI1000VXB-170EA-54	
	2MBI1400VXB-120P-50 2MBI1400VXB-120P-54		2MBI1400VXB-170E-50 2MBI1400VXB-170E-54	2MBI1400VXB-170P-50 2MBI1400VXB-170P-54

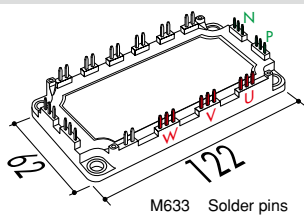
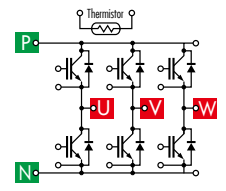
Note: The products with suffix '-54' on this page are labeled to specify the rank of V_{sat} and V_F .
The products with 'EA' on this page have large FWD.
PrimePACK™ is registered trademark of Infineon Technology AG, Germany.

6-pack

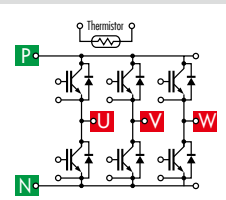
With NTC, solder pins



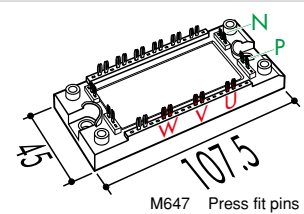
M636 Solder pins



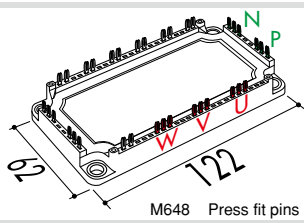
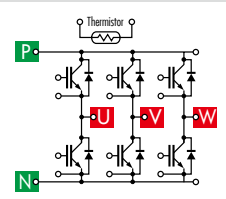
M633 Solder pins



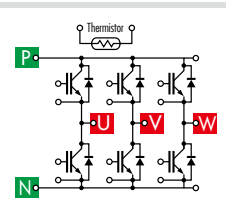
With NTC, press fit pins



M647 Press fit pins



M648 Press fit pins

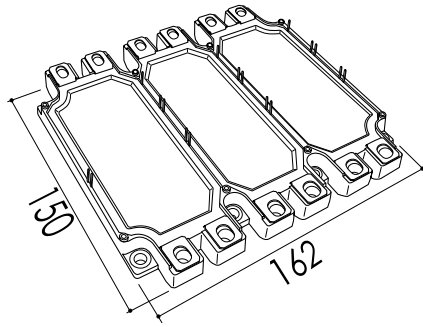


		600V	1200V	1700V
		V Series Trench-FS	V Series Trench-FS	U Series Trench-FS
mm	Ic			
	50A	6MBI50VA-060-50	6MBI50VA-120-50	
	75A	6MBI75VA-060-50	6MBI75VA-120-50	
	100A	6MBI100VA-060-50	6MBI100VA-120-50	
	100A			
	100A		6MBI100VB-120-50	6MBI100U4B-170-50
	150A	6MBI150VB-060-50	6MBI150VB-120-50	6MBI150U4B-170-50
	180A		6MBI180VB-120-50	
	180A		6MBI180VB-120-55	
	50A	6MBI50VW-060-50	6MBI50VW-120-50	
	75A	6MBI75VW-060-50	6MBI75VW-120-50	
	100A	6MBI100VW-060-50	6MBI100VW-120-50	
	100A			
	100A		6MBI100VX-120-50	
	150A	6MBI150VX-060-50	6MBI150VX-120-50	
	180A		6MBI180VX-120-50	
	180A		6MBI180VX-120-55	

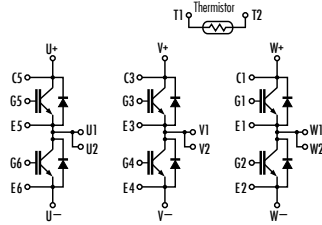
Note: 6MBI180VB-120-55, 6MBI180VX-120-55; Premium type (Low Thermal Impedance Version)
 Note: Pin assignment of output terminals changes within the range of colored position depending on output current.

6-pack

With NTC, High power 6-pack



M629



mm

Ic

1200V

V Series
Trench-FS

1700V

V Series
Trench-FS

225A

6MBI225V-120-50

300A

6MBI300V-120-50

6MBI300V-170-50

450A

6MBI450V-120-50

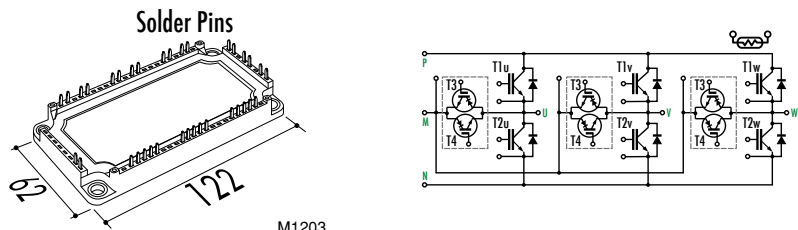
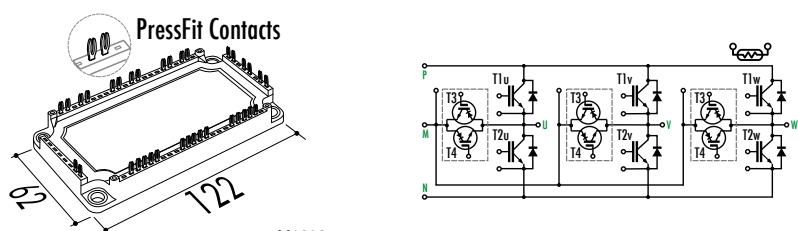
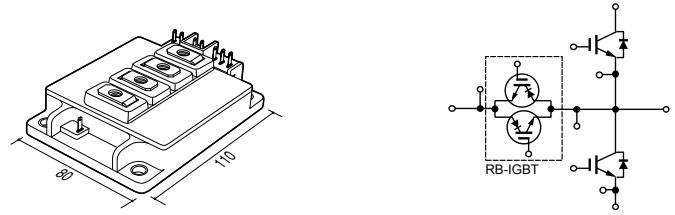
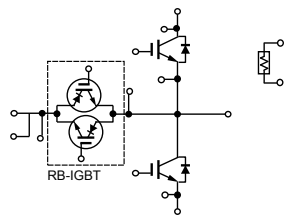
6MBI450V-170-50

550A

6MBI550V-120-50

AT-NPC 3 level Module

mm

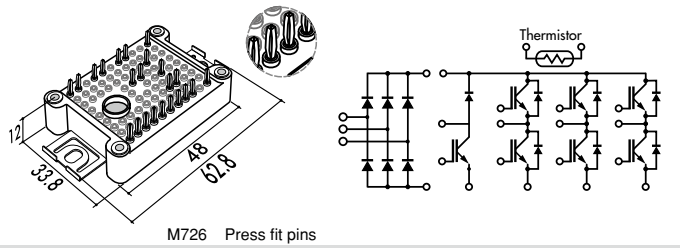
		600V		1200V		1700V	
		V Series Trench-FS	RB-IGBT	V Series Trench-FS	RB-IGBT	V Series Trench-FS	RB-IGBT
3 Phase With NTC, solder pins	 <p>M1203</p>	50A		12MBI50VN-120-50	600V		
		75A		12MBI75VN-120-50	600V		
		100A		12MBI100VN-120-50	600V		
3 Phase With NTC, press fit pins	 <p>M1202</p>	50A		12MBI50VX-120-50	600V		
		75A		12MBI75VX-120-50	600V		
		100A		12MBI100VX-120-50	600V		
1 Phase	 <p>M403</p>	200A				4MBI200VG-170R2-50*	1200V
		300A			4MBI300VG-120R-50	600V	
					4MBI300VG-120R1-50*	900V	
		400A	4MBI400VG-060R-50	600V	4MBI400VG-120R-50*	600V	
		450A					
		650A					
1 Phase	<p>Under Consideration</p> 	450A		4MBI450VB-120R1-50*	900V		
		650A		4MBI650VB-120R1-50*	900V		
		900A		4MBI900VB-120R1-50*	900V		

Note: AT-NPC (Advanced T-type Neutral-Point-Clamped) 3 level Module integrates RB-IGBT (Reverse Blocking-IGBT) in addition to ordinary IGBT and FWD in single package.

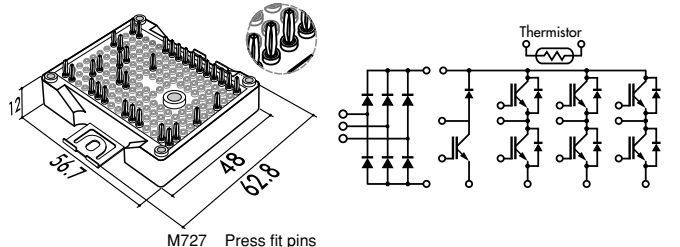
* Under development

Small PIM (Power Integrated Module) mm

With NTC, press fit pins

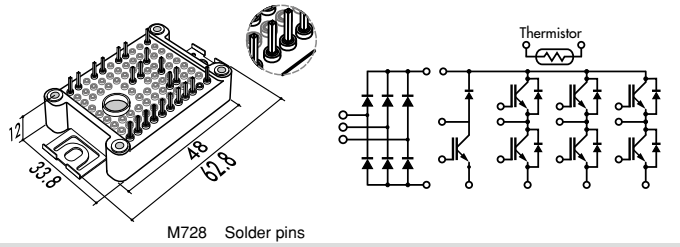


M726 Press fit pins

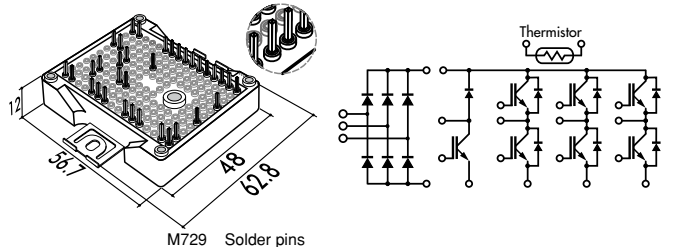


M727 Press fit pins

With NTC, solder pins



M728 Solder pins



M729 Solder pins

Ic

10A

15A

20A

30A

15A

25A

35A

50A

10A

15A

20A

30A

15A

25A

35A

50A

600V

V Series
Trench-FS

7MBR10VKA060-50 *

7MBR15VKA060-50 *

7MBR20VKA060-50 *

7MBR30VKA060-50 *

7MBR50VKB060-50 *

7MBR10VKC060-50 *

7MBR15VKC060-50 *

7MBR20VKC060-50 *

7MBR30VKC060-50 *

7MBR50VKD060-50 *

1200V

V Series
Trench-FS

7MBR10VKA120-50

7MBR15VKA120-50

7MBR15VKB120-50

7MBR25VKB120-50

7MBR35VKB120-50

7MBR10VKC120-50

7MBR15VKC120-50

7MBR15VKD120-50

7MBR25VKD120-50

7MBR35VKD120-50

* Under development

PIM (Power Integrated Module)

mm

Ic

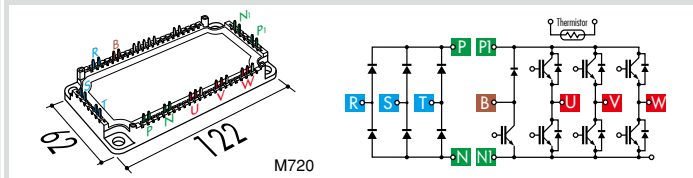
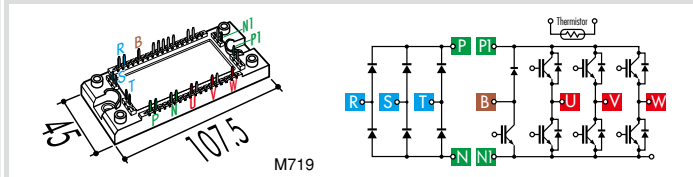
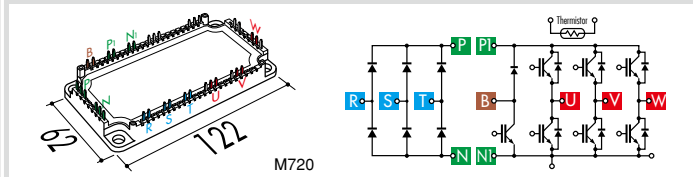
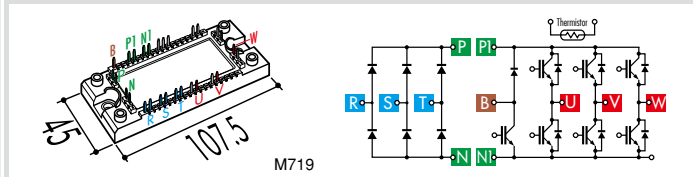
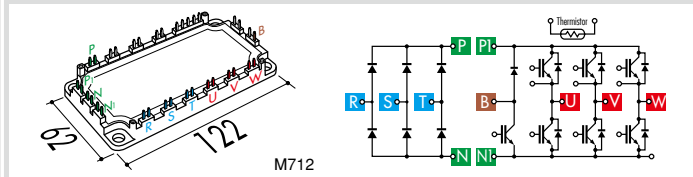
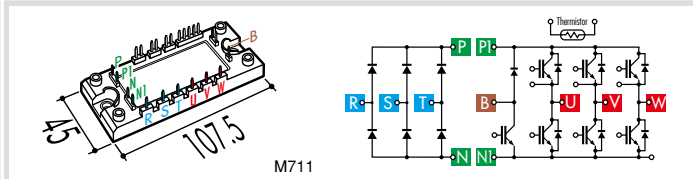
600V

V Series
Trench-FS

1200V

V Series
Trench-FS

With NTC, solder pins, PIM



25A

35A

50A

35A

50A

75A

100A

25A

35A

50A

50A

75A

100A

150A

25A

35A

50A

75A

100A

50A

75A

100A

150A

7MBR50VA060-50

7MBR25VA120-50

7MBR35VA120-50

7MBR35VB120-50

7MBR50VB120-50

7MBR75VB120-50

7MBR25VM120-50

7MBR35VM120-50

7MBR50VM120-50

7MBR50VN120-50

7MBR75VN120-50

7MBR100VN120-50

7MBR150VN120-50

7MBR25VP120-50

7MBR35VP120-50

7MBR50VP120-50

7MBR50VR120-50

7MBR75VR120-50

7MBR100VR120-50

7MBR150VR120-50

Note: Pin assignment of output terminals changes within the range of colored position depending on output current.

PIM (Power Integrated Module)

mm

With NTC, press fit pins. PIM

<p>M721 Press fit pins</p>	
<p>M722 Press fit pins</p>	
<p>M721 Press fit pins</p>	
<p>M722 Press fit pins</p>	

Ic

600V

V Series
Trench-FS

1200V

V Series
Trench-FS

25A

7MBR25VW120-50

35A

7MBR35VW120-50

50A

7MBR50VW120-50

50A

7MBR50VX120-50

75A

7MBR75VX120-50

100A

7MBR100VX120-50

150A

7MBR150VX120-50

25A

7MBR25VY120-50

35A

7MBR35VY120-50

50A

7MBR50VY060-50

7MBR50VY120-50

75A

7MBR75VY060-50

100A

7MBR100VY060-50

50A

7MBR50VZ120-50

75A

7MBR75VZ120-50

100A

7MBR100VZ060-50

7MBR100VZ120-50

150A

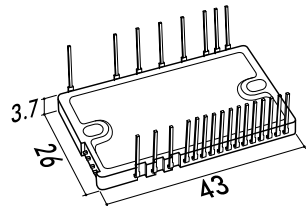
7MBR150VZ060-50

7MBR150VZ120-50

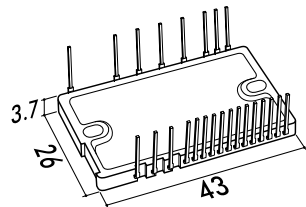
Note: Pin assignment of output terminals changes within the range of colored position depending on output current.

Small IPM (Intelligent Power Module)

Small IPM with High Voltage Driver-IC without Brake-Chopper



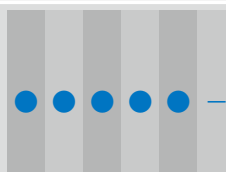
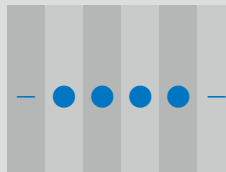
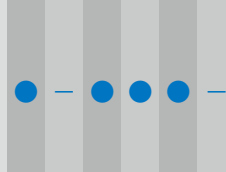
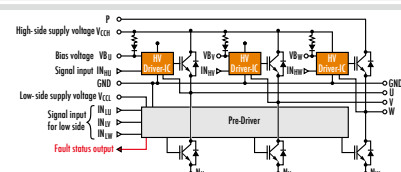
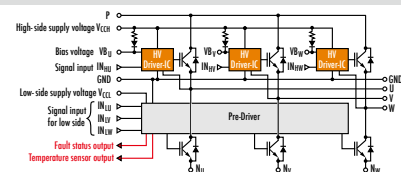
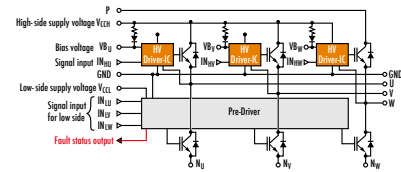
P633 (15A)



P633A (20A, 30A)

Built-in protection functions

- P-side fault status output (Alarm)
- N-side fault status output (Alarm)
- Under voltage protection (self shutdown)
- Over current protection (self shutdown)
- Overheating protection (self shutdown)
- Temperature sensor output (Vtemp, out)



Ic

600V

V Series
Trench-FS

1200V

V Series
Trench-FS

15A

6MBP15VRA060-50

20A

6MBP20VSA060-50

30A

6MBP30VSA060-50

15A

6MBP15VRB060-50

15A

6MBP15VRC060-50

20A

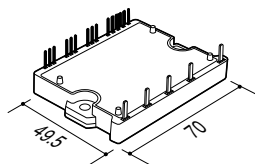
6MBP20VSC060-50

30A

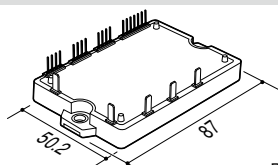
6MBP30VSC060-50

IPM (Intelligent Power Module)

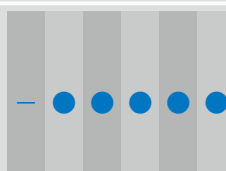
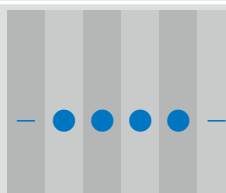
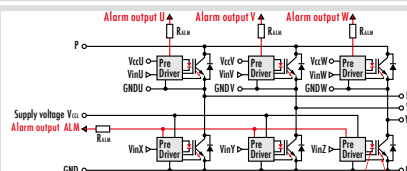
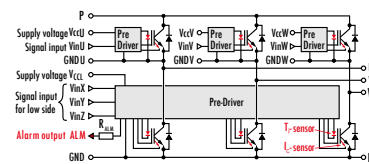
Without Brake-Chopper



P629



P626



10A

6MBP10VAA120-50

15A

6MBP15VAA120-50

20A

6MBP20VAA060-50

25A

6MBP25VAA120-50

30A

6MBP30VAA060-50

50A

6MBP50VAA060-50

25A

6MBP25VBA120-50

35A

6MBP35VBA120-50

50A

6MBP50VBA060-50

75A

6MBP75VBA060-50

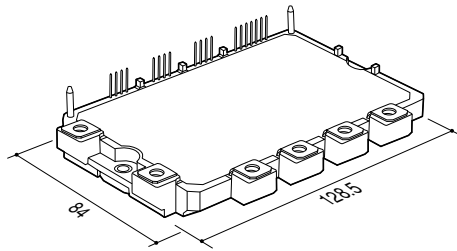
IPM (Intelligent Power Module) mm

Built-in protection functions

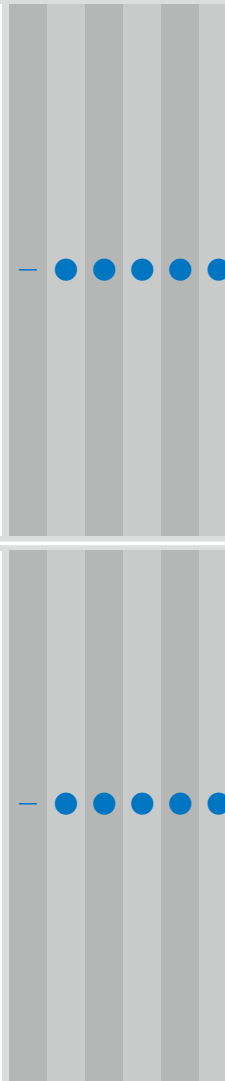
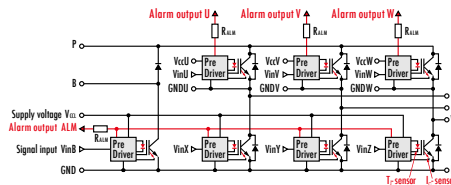
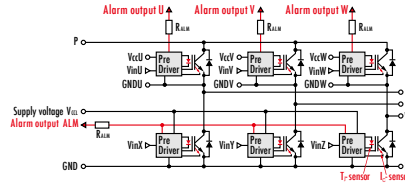
- P-side fault status output (Alarm)
- N-side fault status output (Alarm)
- Under voltage protection (self shutdown)
- Over current protection (self shutdown)
- Overheating protection (self shutdown)
- Temperature sensor output (Vtemp, out)

Without Brake-Chopper

With Brake-Chopper



P630



Ic	600V	1200V
	V Series Trench-FS	V Series Trench-FS
25A		6MBP25VDA120-50
35A		6MBP35VDA120-50
50A	6MBP50VDA060-50	6MBP50VDA120-50 6MBP50VDN120-50*
75A	6MBP75VDA060-50	6MBP75VDA120-50 6MBP75VDN120-50*
100A	6MBP100VDA060-50 6MBP100VDN060-50*	6MBP100VDA120-50 6MBP100VDN120-50*
150A	6MBP150VDA060-50 6MBP150VDN060-50*	
200A	6MBP200VDA060-50 6MBP200VDN060-50*	
25A		7MBP25VDA120-50
35A		7MBP35VDA120-50
50A	7MBP50VDA060-50	7MBP50VDA120-50 7MBP50VDN120-50*
75A	7MBP75VDA060-50	7MBP75VDA120-50 7MBP75VDN120-50*
100A	7MBP100VDA060-50 7MBP100VDN060-50*	7MBP100VDA120-50 7MBP100VDN120-50*
150A	7MBP150VDA060-50 7MBP150VDN060-50*	
200A	7MBP200VDA060-50 7MBP200VDN060-50*	

Note: The products with 'VDN' on this page have high heat dissipation characteristics.

* Under development

IPM (Intelligent Power Module)

Built-in protection functions

- P-side fault status output (Alarm)
- N-side fault status output (Alarm)
- Under voltage protection (self shutdown)
- Over current protection (self shutdown)
- Overheating protection (self shutdown)
- Temperature sensor output (Vtemp, out)

mm

Ic

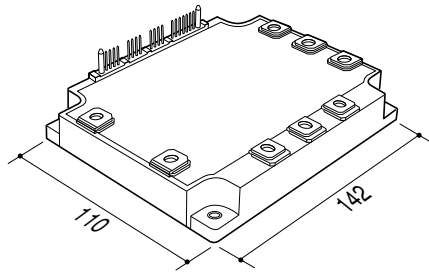
600V

1200V

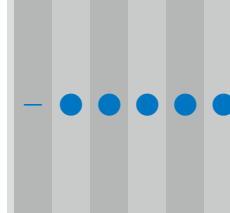
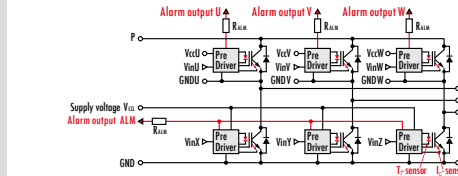
V Series
Trench-FS

V Series
Trench-FS

Without
Brake-Chopper



P631



100A

6MBP100VEA120-50

150A

6MBP150VEA120-50

200A

6MBP200VEA060-50

6MBP200VEA120-50

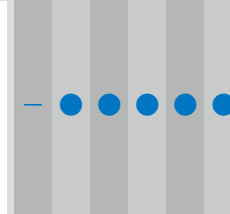
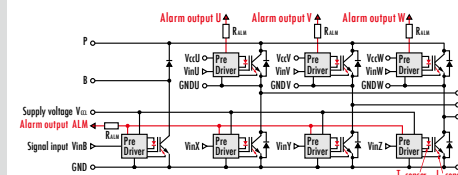
300A

6MBP300VEA060-50

400A

6MBP400VEA060-50

With
Brake-Chopper



100A

7MBP100VEA120-50

150A

7MBP150VEA120-50

200A

7MBP200VEA060-50

7MBP200VEA120-50

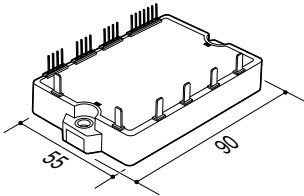
300A

7MBP300VEA060-50

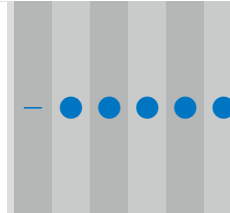
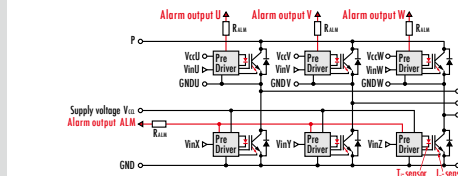
400A

7MBP400VEA060-50

Without
Brake-Chopper



P636



25A

6MBP25VFN120-50*

35A

6MBP35VFN120-50*

50A

6MBP50VFN060-50*

6MBP50VFN120-50*

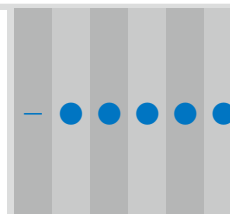
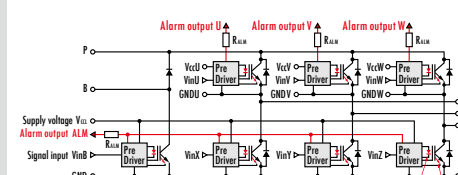
75A

6MBP75VFN060-50*

100A

6MBP100VFN060-50*

With
Brake-Chopper



25A

7MBP25VFN120-50*

35A

7MBP35VFN120-50*

50A

7MBP50VFN060-50*

7MBP50VFN120-50*

75A

7MBP75VFN060-50*

100A

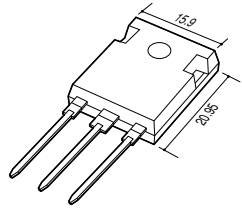
7MBP100VFN060-50*

* Under development

Discrete IGBT

mm

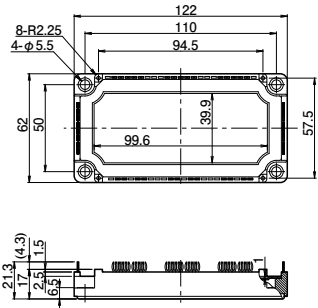
TO-247 -P2



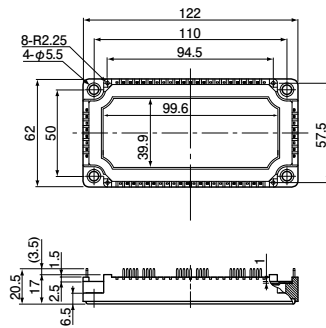
Voltage	600V					1200V		
Series	Reverse Blocking IGBT	Trench-FS V series	Trench-FS High Speed V series			Trench-FS V series	Trench-FS High Speed V series	
IGBT	RB-IGBT	IGBT	IGBT	IGBT	IGBT	IGBT	IGBT	IGBT
Diode	-	Within	Within	Within	Without	Within	Within	Without
Circuit								
Ic	15A					FGW15N120VD	FGW15N120HD	FGW15N120H
	25A					FGW25N120VD		
	30A		FGW30N60VD				FGW30N120HD	FGW30N120H
	35A			FGW35N60HD	FGW35N60HC	FGW35N60H		
	40A					FGW40N120VD	FGW40N120HD	FGW40N120H
	50A		FGW50N60VD	FGW50N60HD	FGW50N60HC	FGW50N60H		
	75A			FGW75N60HD		FGW75N60H		
	85A	FGW85N60RB						

Package Outlines, mm

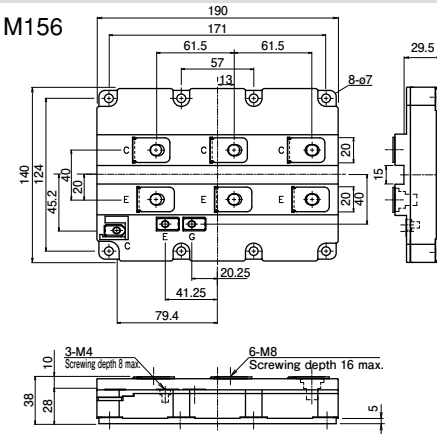
M1202



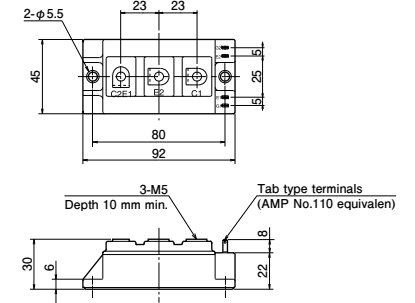
M1203



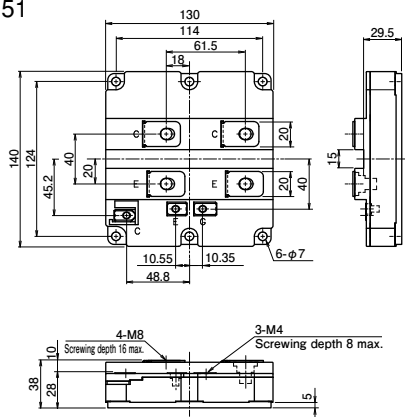
M156



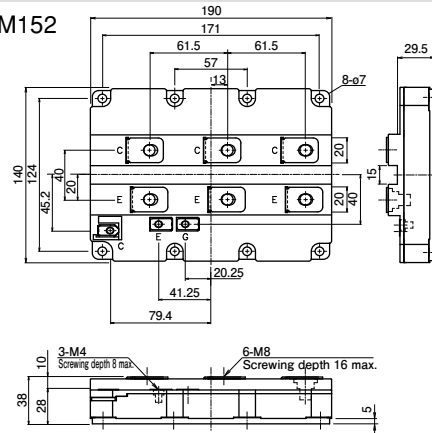
M233



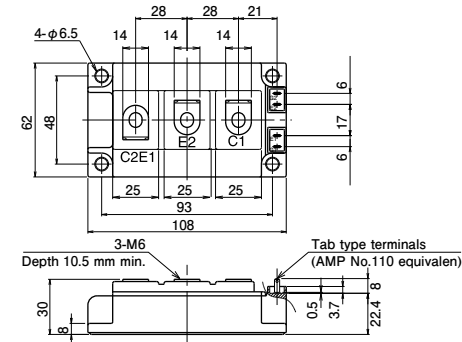
M151



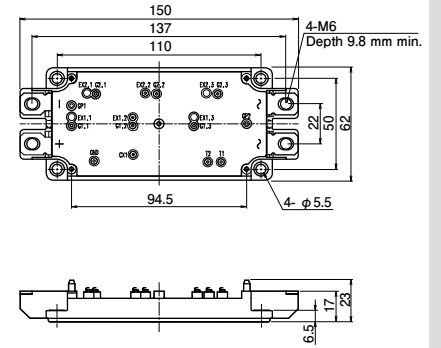
M152



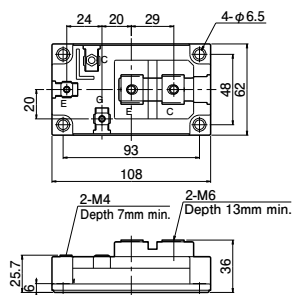
M249



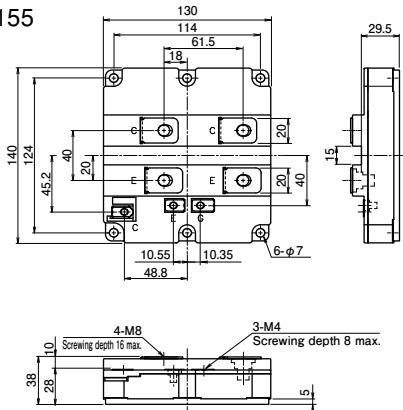
M250



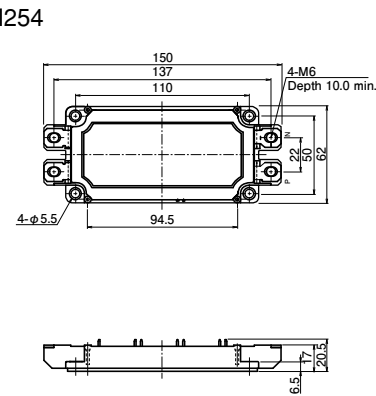
M153



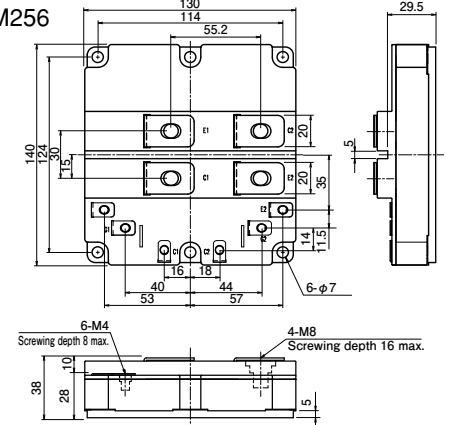
M155



M254

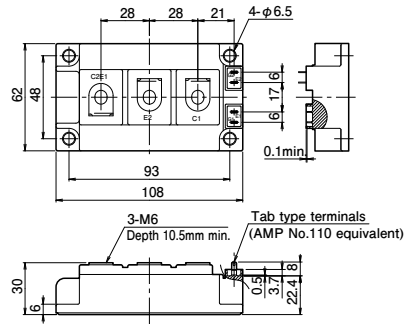


M256

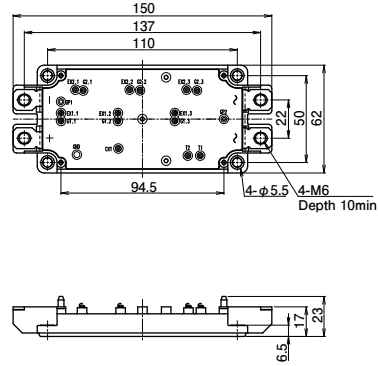


Package Outlines, mm

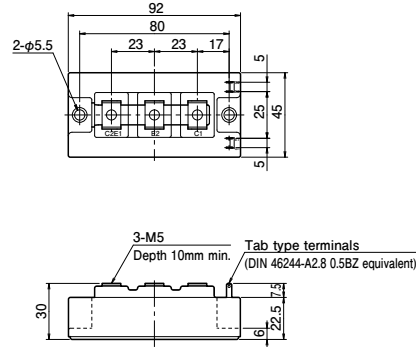
M259



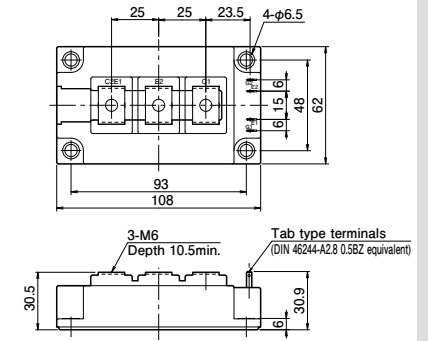
M260



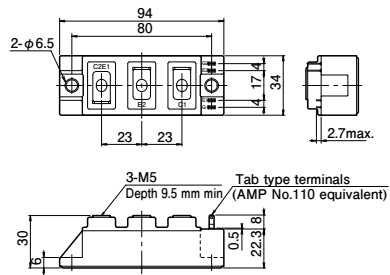
M274



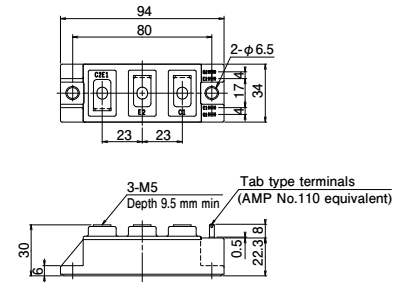
M275



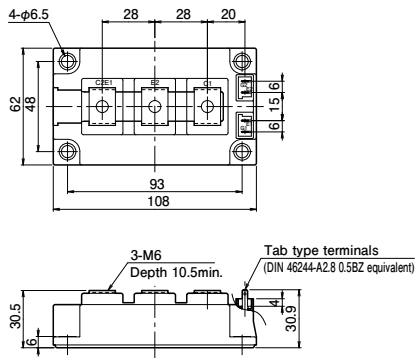
M262



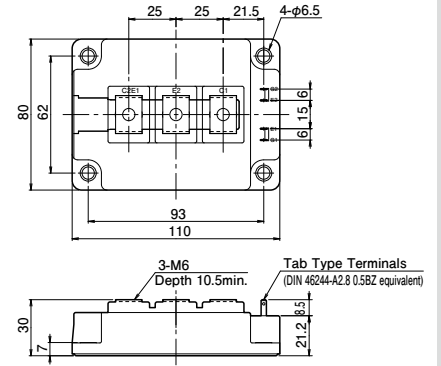
M263



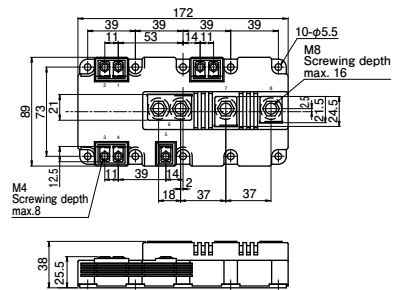
M276



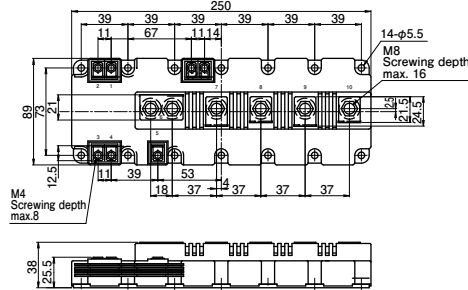
M277



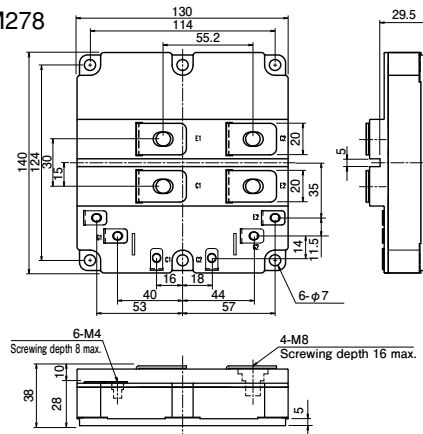
M271



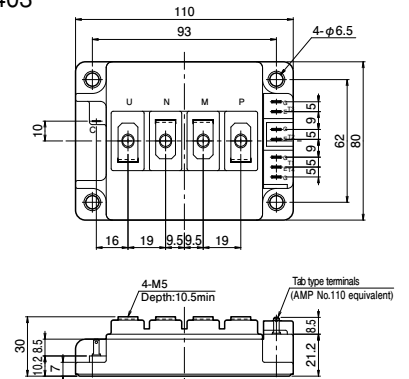
M272



M278

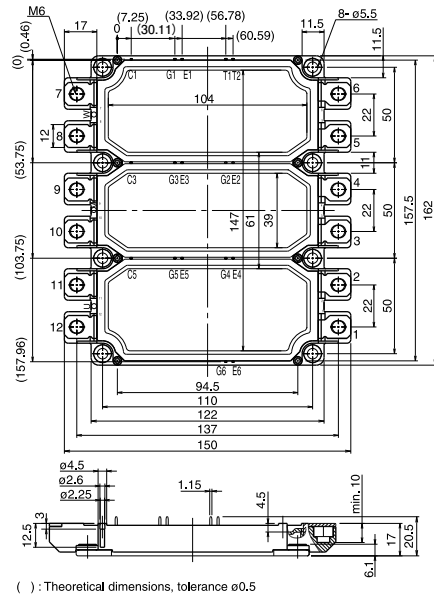


M403



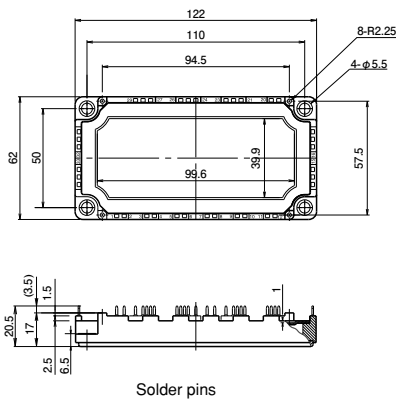
Package Outlines, mm

M629



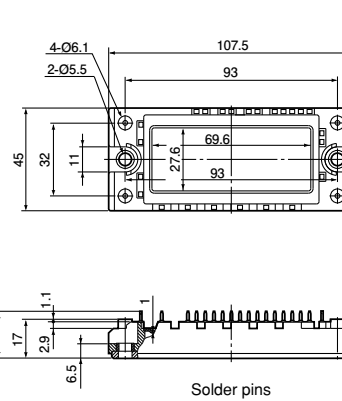
(): Theoretical dimensions, tolerance $\phi 0.5$

M633



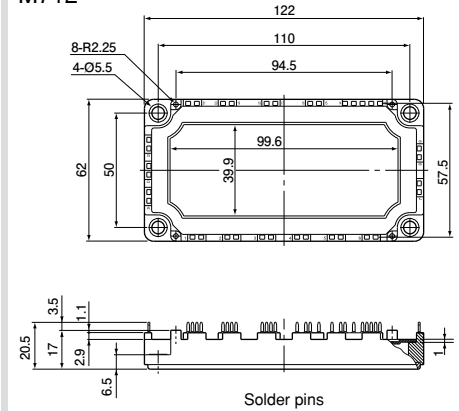
Solder pins

M711



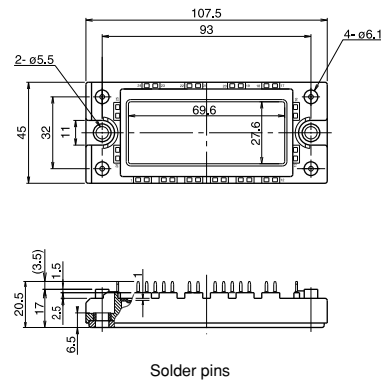
Solder pins

M712



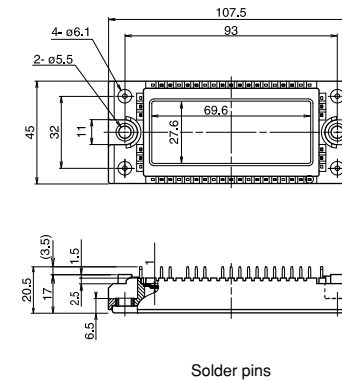
Solder pins

M636



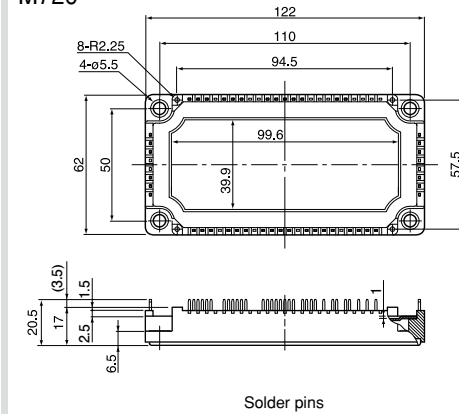
Solder pins

M719



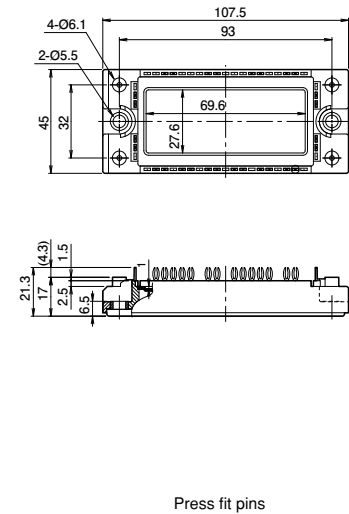
Solder pins

M720



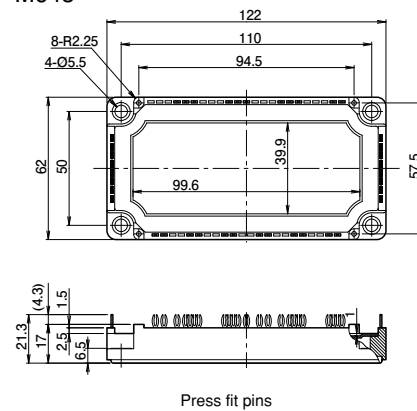
Solder pins

M647



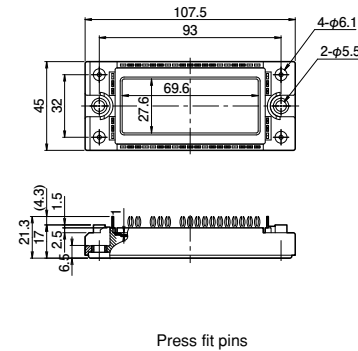
Press fit pins

M648



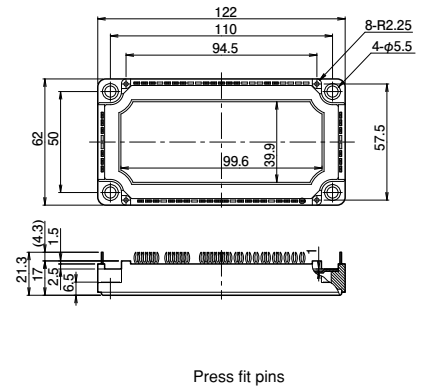
Press fit pins

M721



Press fit pins

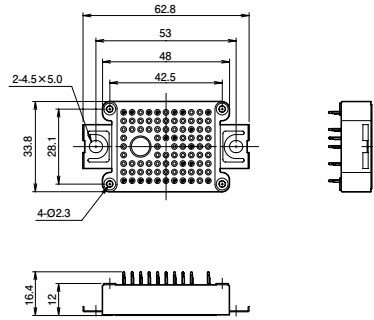
M722



Press fit pins

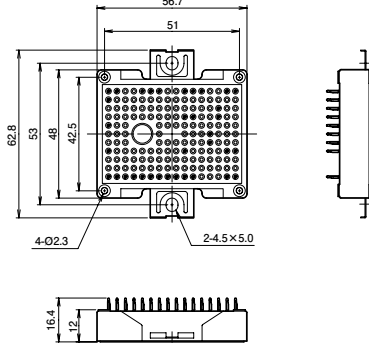
Package Outlines, mm

M726



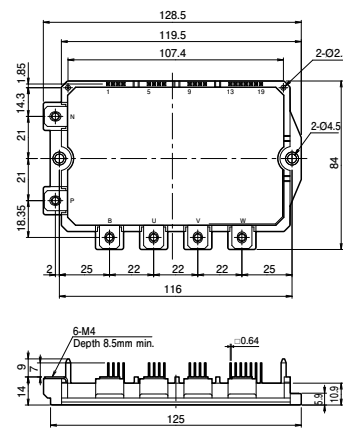
Press fit pins

M727

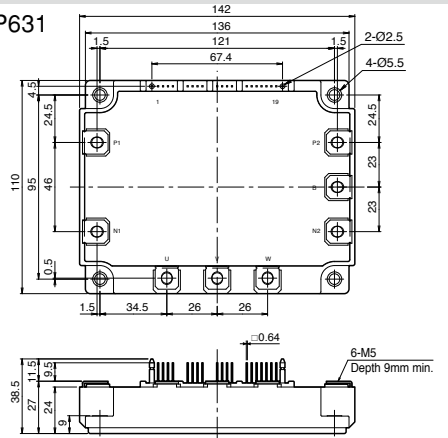


Press fit pins

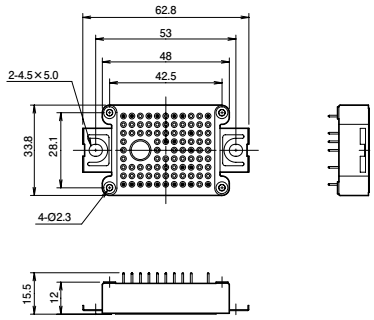
P630



P631

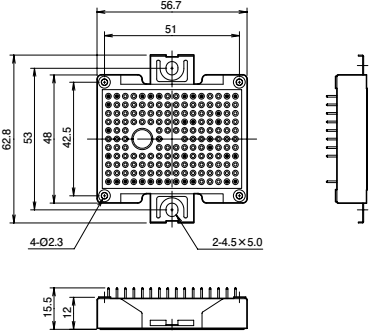


M728



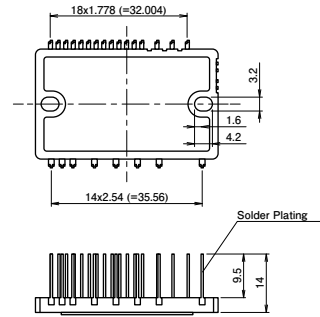
Solder pins

M729

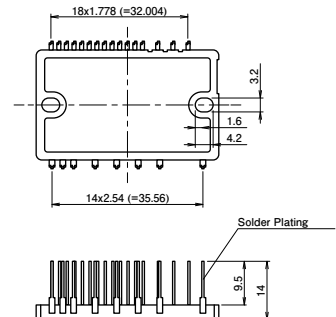


Solder pins

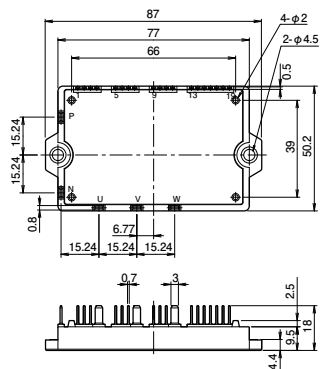
P633



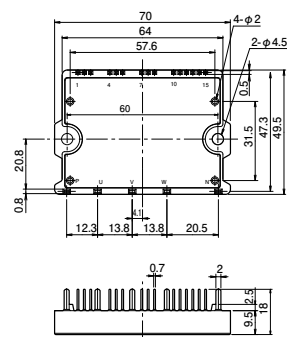
P633A



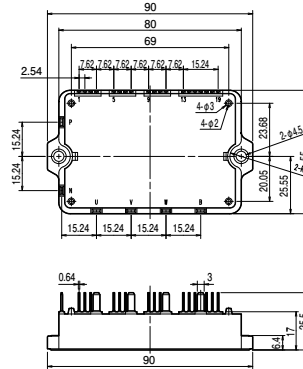
P626



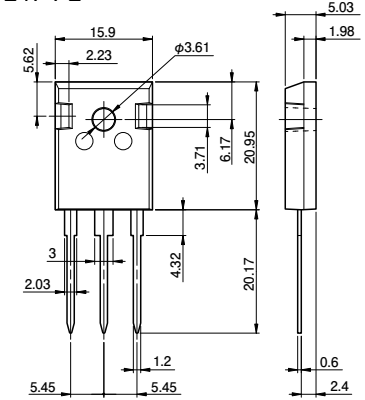
P629



P636



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