



STARPOWER

POWER MODULE PRODUCT CATALOG

- IGBT MODULES
- SiC MODULES
- IGBT DISCRETES
- SiC DISCRETES
- IPM MODULES

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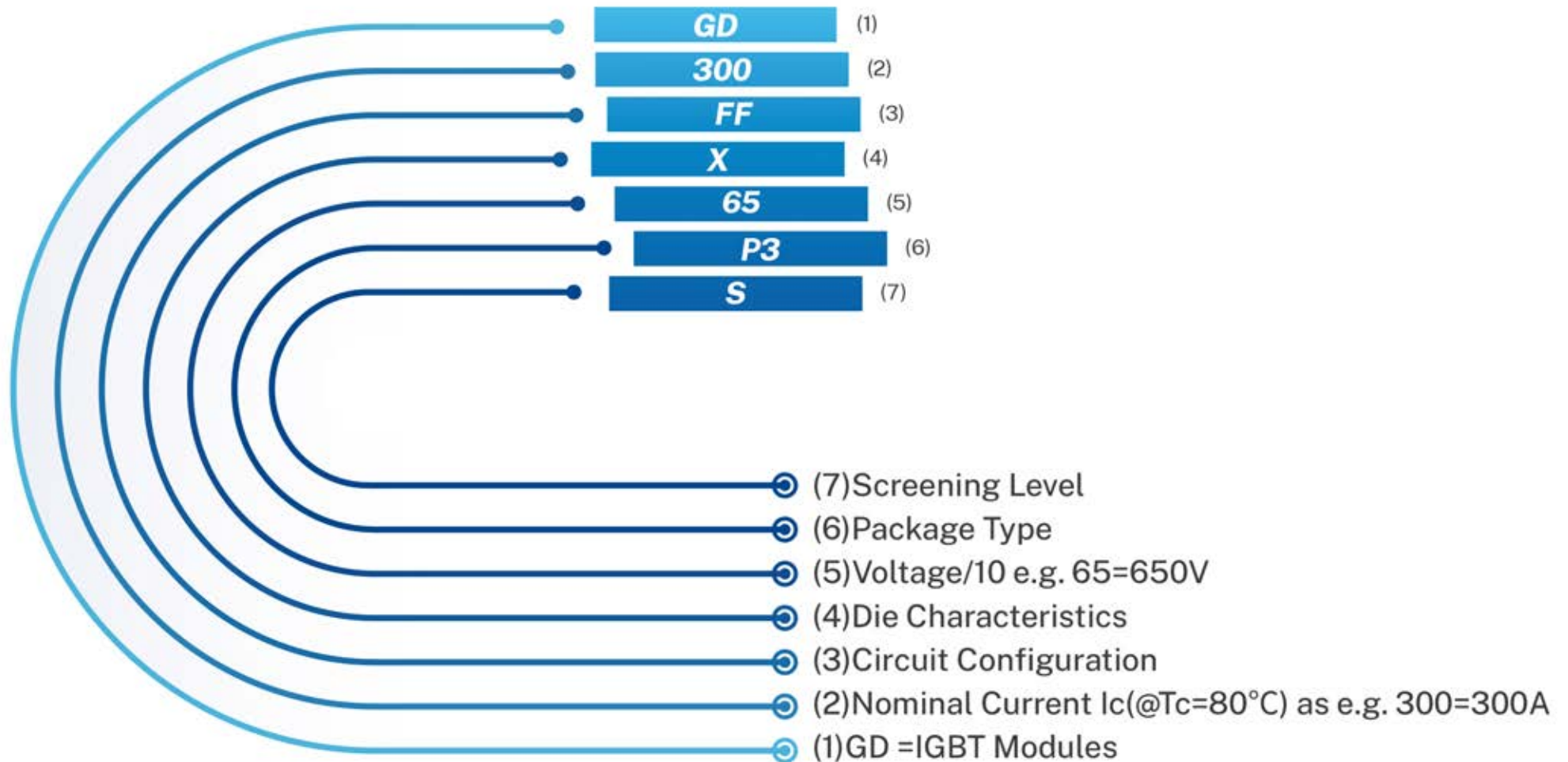
About StarPower

StarPower Semiconductor Ltd. is a leading power module company located in Jiaxing China about 59 miles southeast of Shanghai. Founded in 2005, StarPower designs and manufactures IGBT/SiC/MOSFET/IPM/FRD modules and customized modules for applications in the area of EV/HEV, solar/wind power, inverters, welding machines, UPS, home appliances and etc. in the power range of 0.5kW up to more than 1MW.

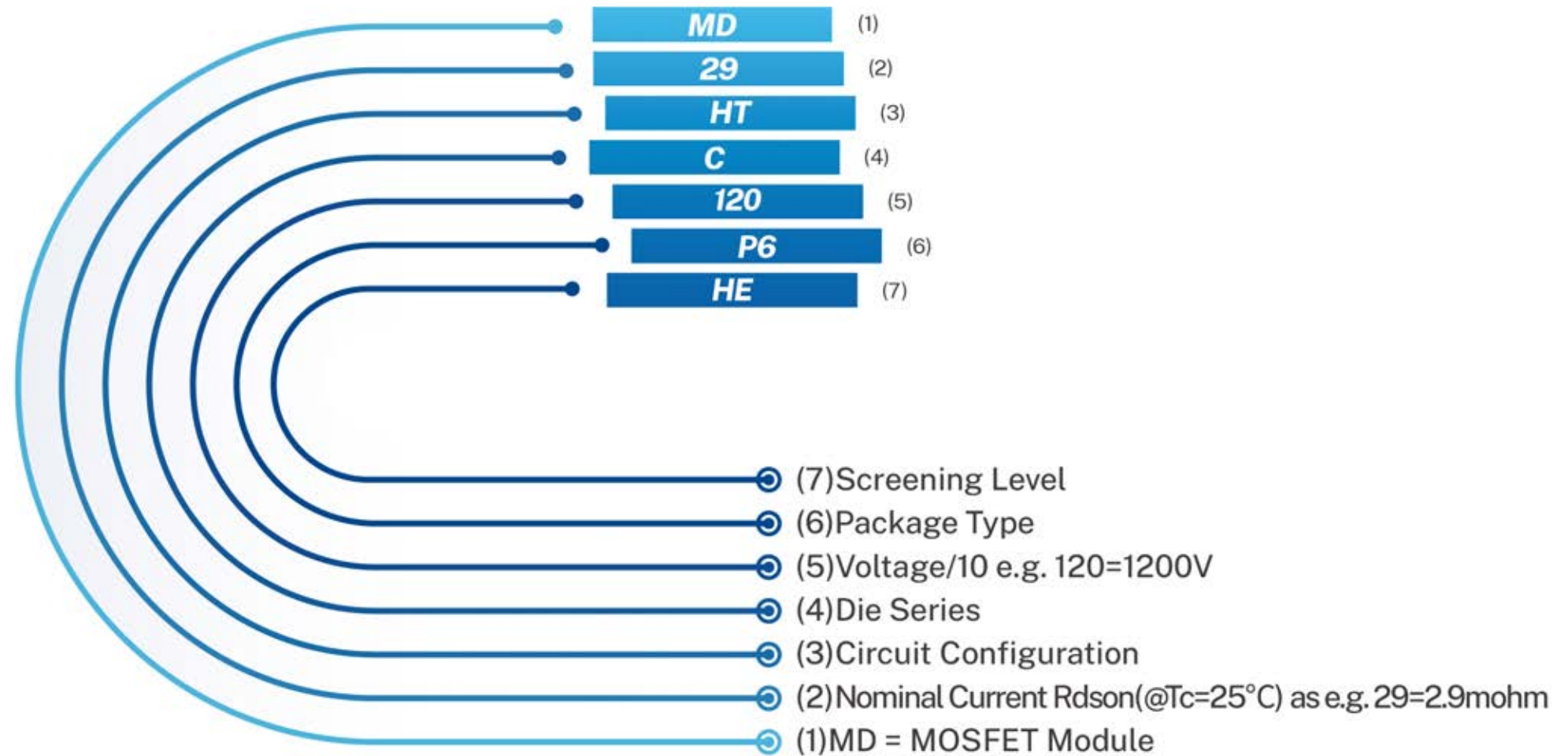
Through heavy investment in R&Ds, we offer a broad range of quality and eco-friendly products and services to our customers. We are committed to excellence in all things we do. The company has one of the best production lines and well-trained workforce in the industry. Our mission is to create the most value for the success of our customers around the globe.

For more information, please go to our website at **www.powersemi.com** or call our sales hotline at: **+86 573 82585700**(China); or go to our StarPower Europe website at **www.starpowereurope.com**, or call **+41 91 8504141**(Europe).

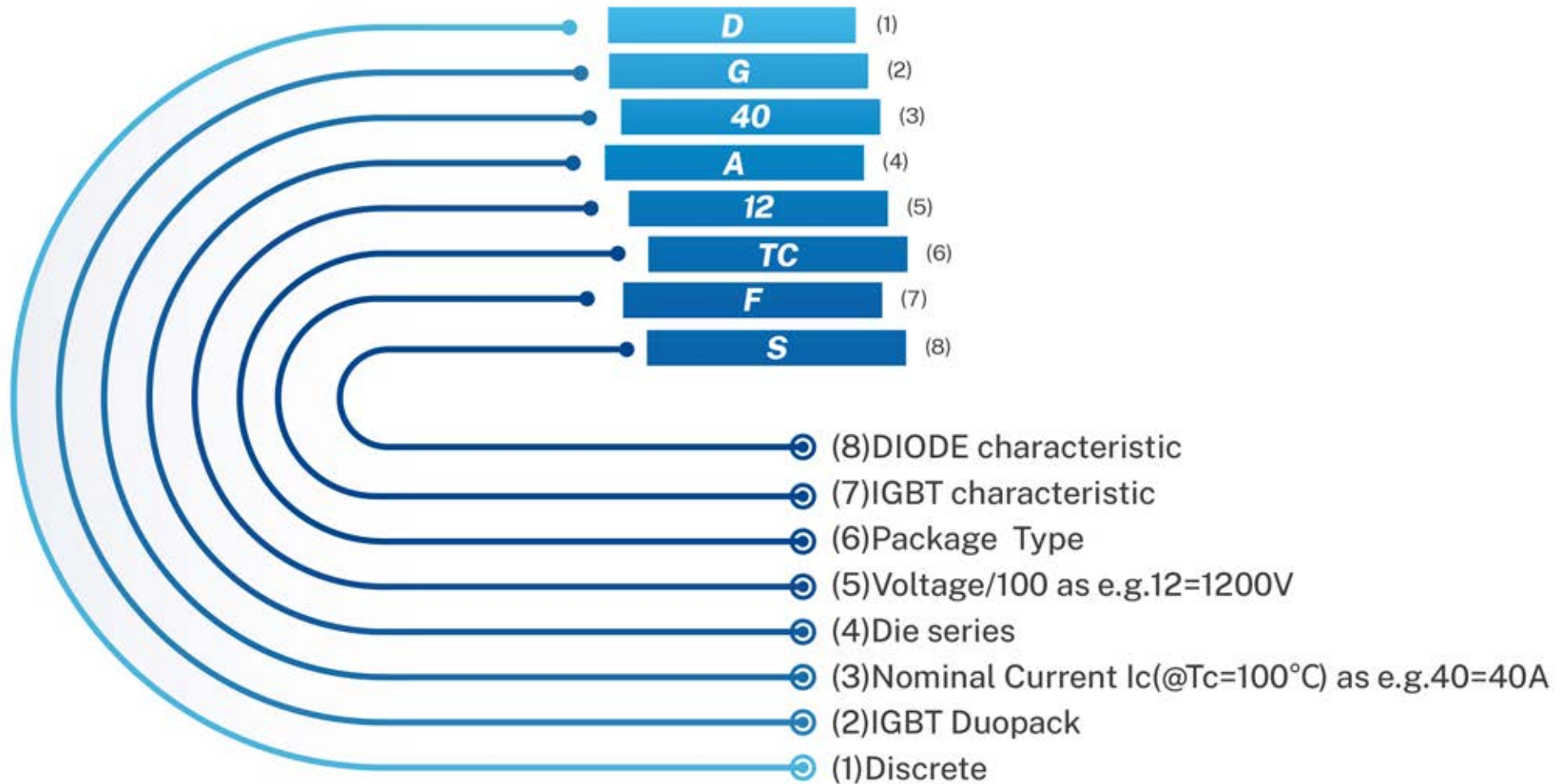
IGBT Module Nomenclature



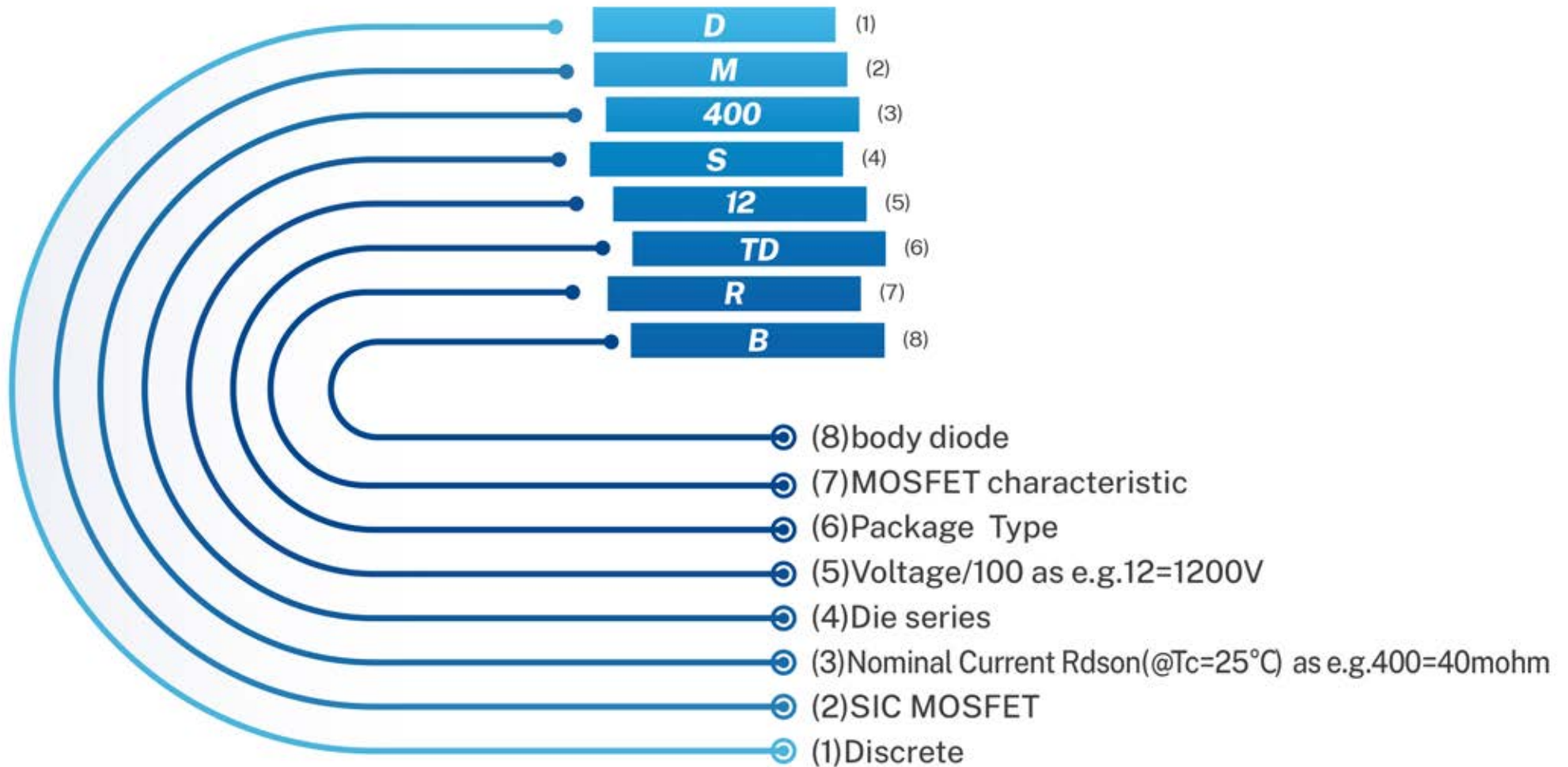
SiC Module Nomenclature



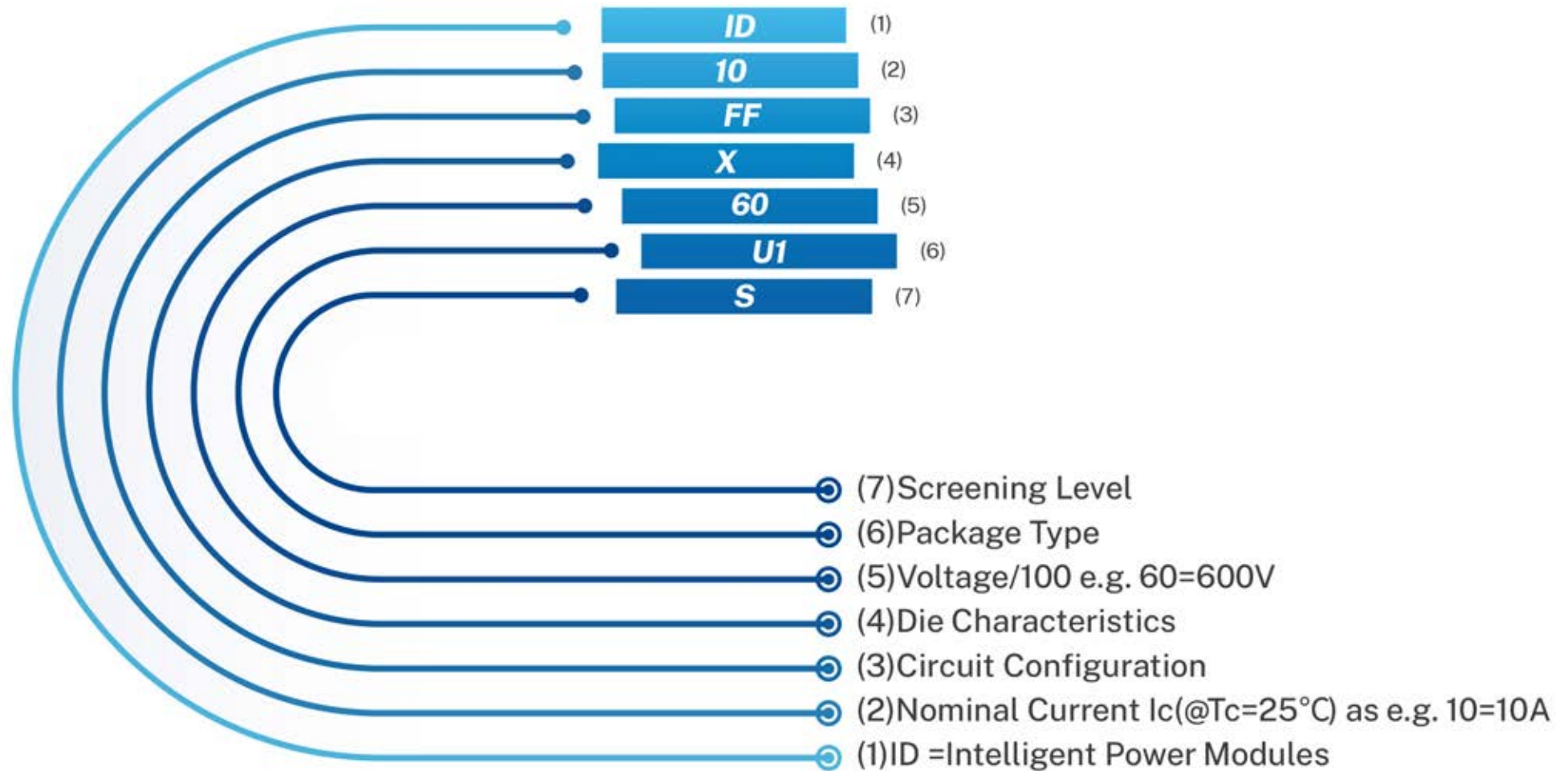
IGBT Discretes Nomenclature



SiC Discretes Nomenclature

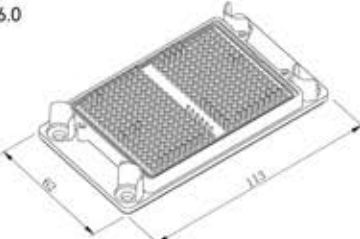
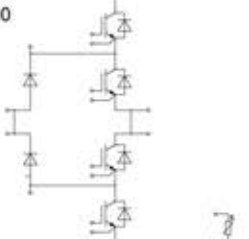
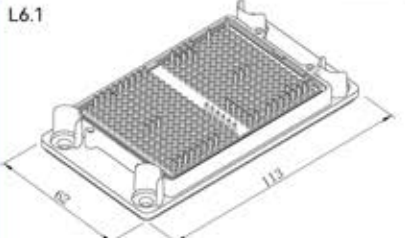
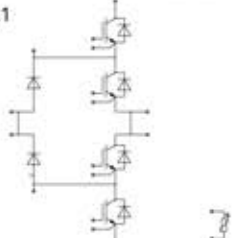
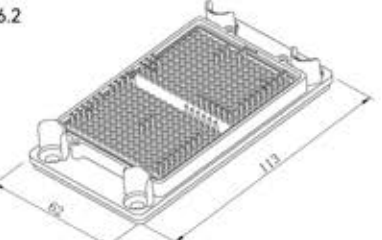
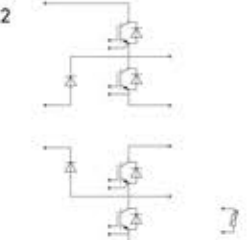
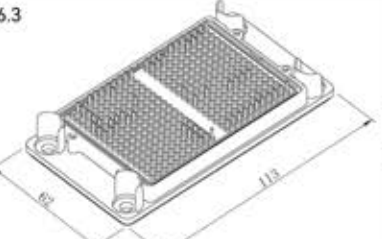
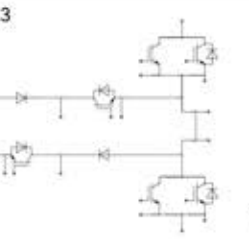


IPM Module Nomenclature

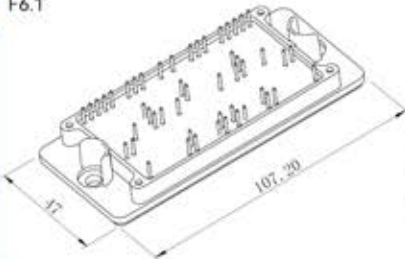
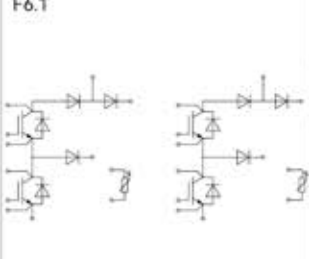
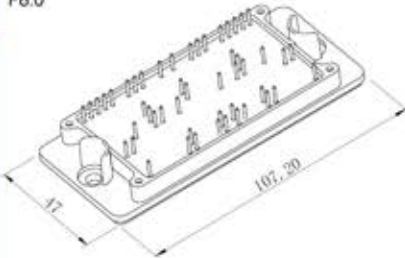
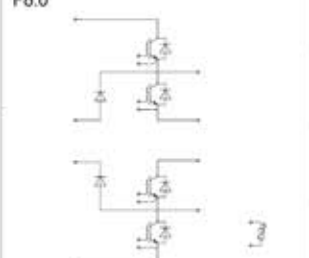


Solar Power

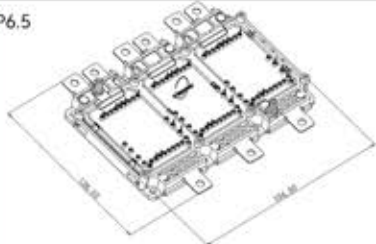
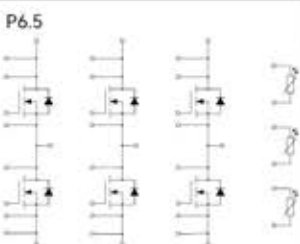
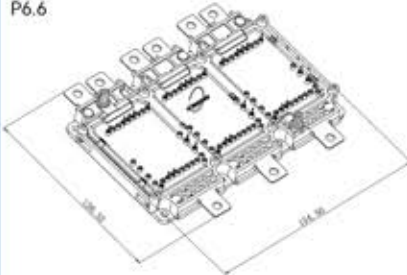
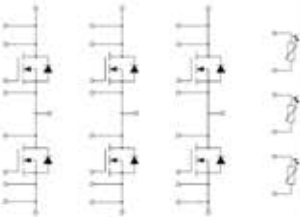
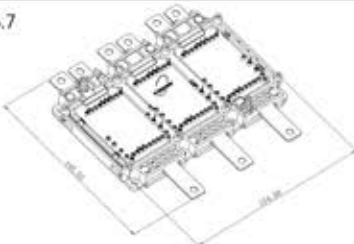
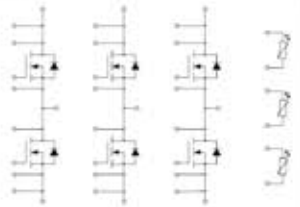
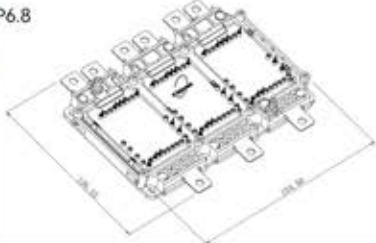
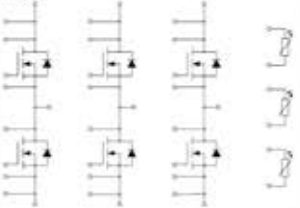
With NTC, Solder pins

L6 3-level	Dimension[mm]	Ic	750V	1000V		1200V
			A series	X series	A series	A series
L6.0 	L6.0 	600A			GD600MJA100L6S	
					GD600MJA100L6Q	
		650A			GD650MJA100L6S	
					GD650MJA100L6Q	
L6.1 	L6.1 	450A	GD450MMA75L6S			
		500A				GD500MMA120L6S
L6.2 	L6.2 	600A			GD600MHA105L6Q	
					GD600MHA105L6Q_B4	
L6.3 	L6.3 	600A				GD600TLA120L6L
						GD600TLA120L6Q

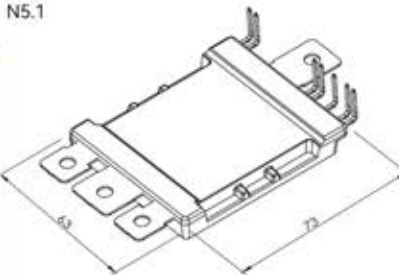
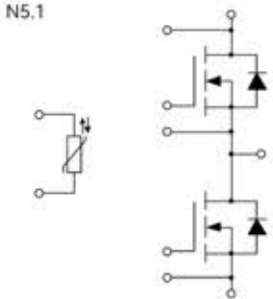
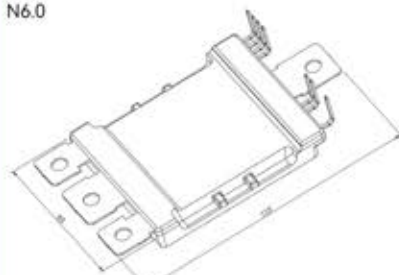
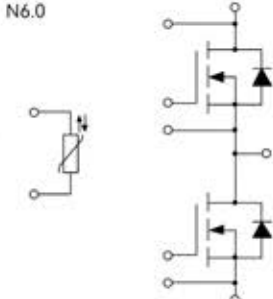
Solar Power

With NTC, Solder pins	F6 boost	Dimension[mm]	Ic	750V A series	1000V		1200V A series
					X series	A series	
With NTC, Solder pins	F6.1	F6.1	200A		GD200DFS100F6S	GD200DFA100F6S	
							
With NTC, Solder pins	F6 3-level	Dimension[mm]	Ic	750V A series	1000V		1200V A series
					X series	A series	
With NTC, Solder pins	F6.0	F6.0	400A			GD400MJA100F6S	
							

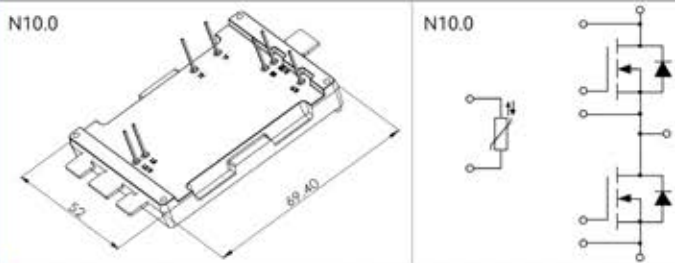
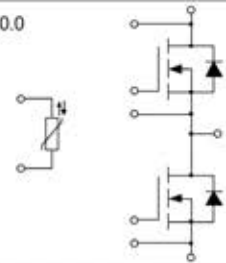
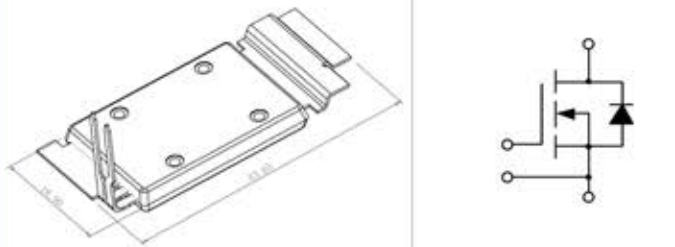
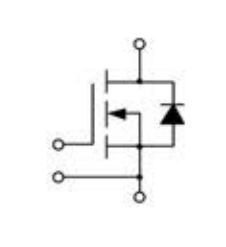
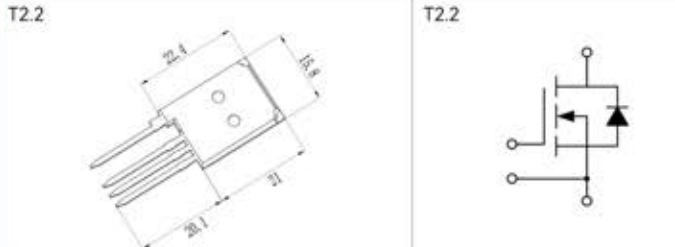
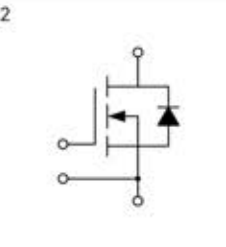
Automotive SiC

	P6 6-Pack	Dimension[mm]	$R_{DS(on)}$	750V		1200V	
				C series	S series	C series	S series
With NTC, Solder pins	P6.5 	P6.5 	1.25mΩ	MD13HTC75P6HE			
			1.70mΩ	MD17HTC75P6HE			
			2.15mΩ			MD22HTC120P6HE	
			2.83mΩ			MD29HTC120P6HE	
With NTC, Solder pins	P6.6 	P6.6 	1.25mΩ	MD13HTC75P6HET			
			1.70mΩ	MD17HTC75P6HET			
			2.15mΩ			MD22HTC120P6HET	
			2.83mΩ			MD29HTC120P6HET	MD29HTS120P6HET
			3.40mΩ			MD34HTC120P6HET	
			3.00mΩ			MD30HTC120P6HET	
With NTC, Press fit pins	P6.7 	P6.7 	2.83mΩ			MD29HTC120P6HELT	
			2.15mΩ			MD22HTC120P6HELT	
With NTC, Press fit pins	P6.8 	P6.8 	2.15mΩ			MD22HTC120P6HEF	
			2.83mΩ			MD29HTC120P6HEF	

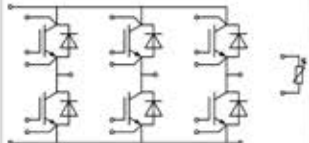
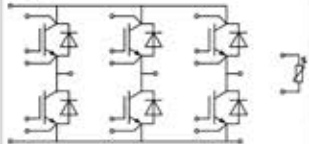
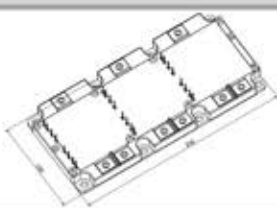
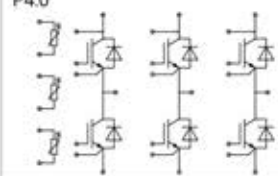
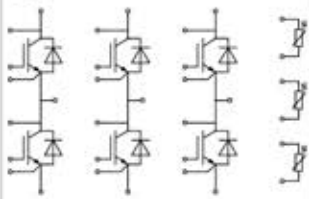
Automotive SiC

With PTC, Solder pins	N5 2-pack	Dimension[mm]	$R_{DS(on)}$	750V			
				C series	S series		
	N5.1		N5.1 	1.00mΩ	MD10HFC75N5HT	MD10HFS75N5HT	
			1.25mΩ	MD13HFC75N5HT	MD13HFS75N5HT		
With PTC, pins	N6 2-pack	Dimension[mm]	$R_{DS(on)}$	750V		1200V	
				C series	S series	C series	S series
	N6.0		N6.0 	2.12mΩ			MD22HFC120N6HY
						MD22HFC120N6HT	

Automotive SiC

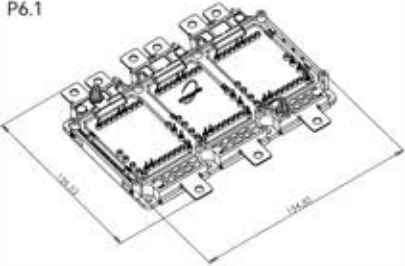
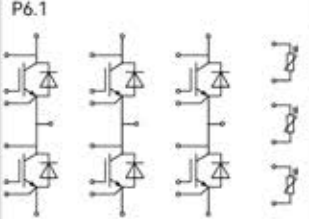
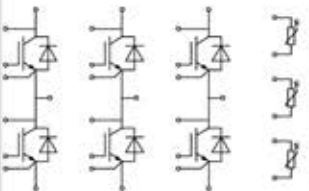
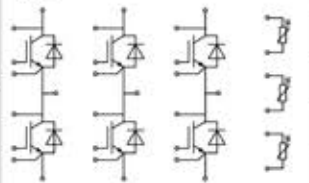
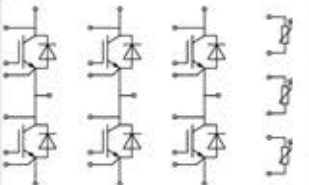
With PTC, pins	N10 2-pack	Dimension[mm]	$R_{DS(on)}$	750V		1200V	
				C series	S series	C series	S series
	N10.0		2.02mΩ				MD20HFS120N10HY
			2.83mΩ			MD29HFC120N10HY	MD29HFS120N10HY
T-pack	T6 1-pack	Dimension[mm]	$R_{DS(on)}$	750V		1200V	
				C series	S series	C series	S series
	T6.1		5.00mΩ	DM50C08T6	DM50S08T6		
			8.80mΩ			DM88C12T6	DM88S12T6
Without NTC	TO-247PLUS-4L-Single Switch	Dimension[mm]	$R_{DS(on)}$	750V		1200V	
				C series	S series	C series	S series
	T2.2		14mΩ		DM140S08TDRB		/
			17mΩ		/		DM170S12TDRB
			40mΩ		/		DM400S12TDRB
			80mΩ		/		DM800S12TDRB

Automotive IGBT

With NTC, Solder pins	P3 6-Pack	Dimension[mm]	Ic	650V		750V		1200V	
				X series	A series	X series	A series	X series	A series
P3.0			300A	GD300FFX65P3S					
			400A	GD400FFX65P3S		GD400FFX75P3S			
P3.1			200A					GD200FFX120P3H	
			300A	GD300FFX65P3H					
			400A	GD400FFX65P3H		GD400FFX75P3H			
With NTC, Solder pins	P4 6-Pack	Dimension[mm]	Ic	750V		1200V			
				X series	A series	X series	A series		
P4.0			400A			GD400HTX120P4SD			
			500A			GD500HTX120P4S			
			800A	GD800HTX75P4S					
With NTC, Solder pin	P6 6-Pack	Dimension[mm]	Ic	750V		1200V			
				X series	A series	X series	A series		
P6.0			400A			GD400HTX120P6H			
			600A					GD600HTA120P6H	
			720A					GD720HTA120P6H	
			820A	GD820HTX75P6HB	GD820HTA75P6H				
			950A	GD950HTX75P6HB	GD950HTA75P6H				
			1000A		GD1000HTA75P6H				

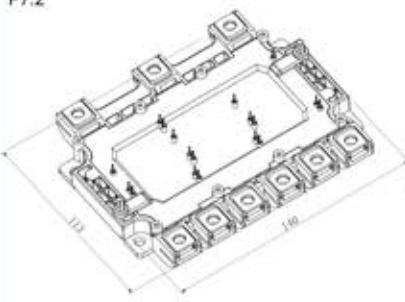
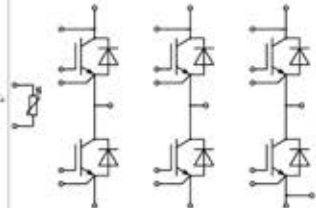
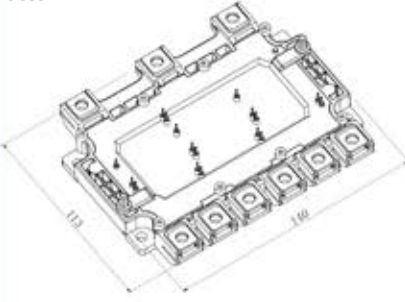
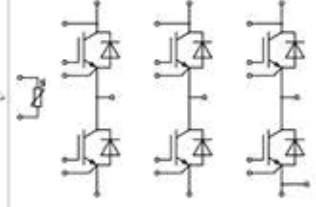
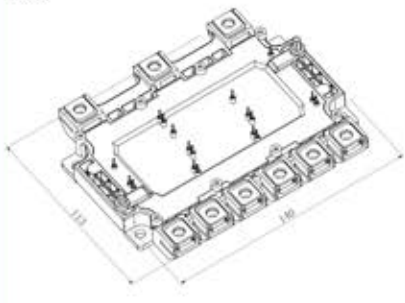
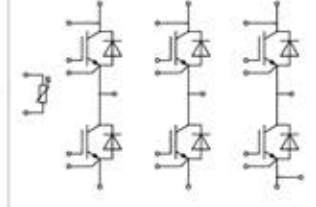
Automotive IGBT

With NTC, Solder pins

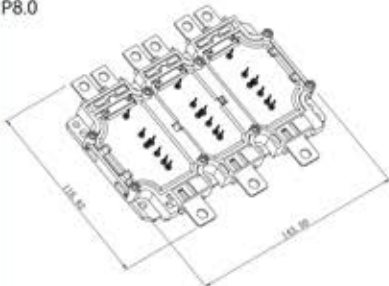
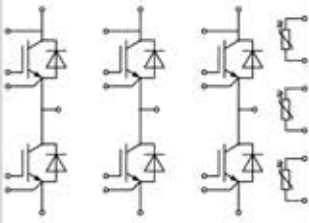
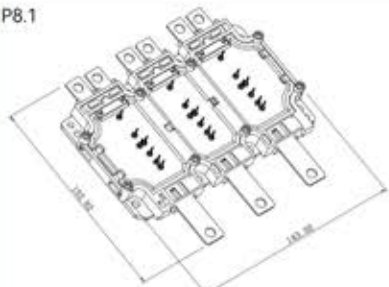
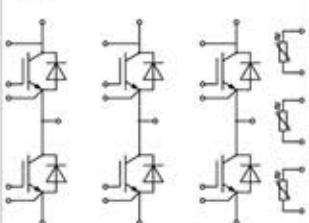
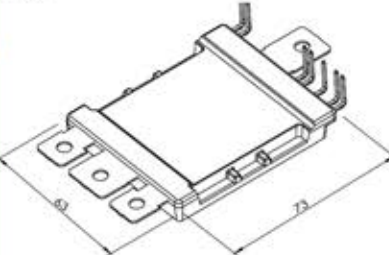
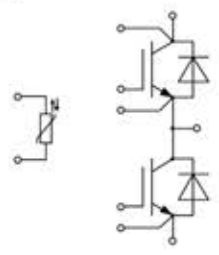
P6 6-Pack	Dimension[mm]	Ic	750V		1200V	
			X series	A series	X series	A series
P6.1 	P6.1 	400A			GD400HTX120P6HT	
		600A				GD600HTA120P6HT
		720A				GD720HTA120P6HT
		820A		GD820HTA75P6HT		
		950A		GD950HTA75P6HT		
		1000A		GD1000HTA75P6HT		
P6.2 	P6.2 	400A				
		600A				GD600HTA120P6HLT
		720A				GD720HTA120P6HLT
		820A		GD820HTA75P6HLT		
		950A		GD950HTA75P6HLT		
		1000A		GD1000HTA75P6HLT		
P6.4 	P6.4 	660A	GD660HTX75P6SB	GD660HTA75P6S		
P6.3 	P6.3 	820A	GD820HTX75P6HLB			
		950A	GD950HTX75P6HLB	GD950HTA75P6HL		

Automotive IGBT

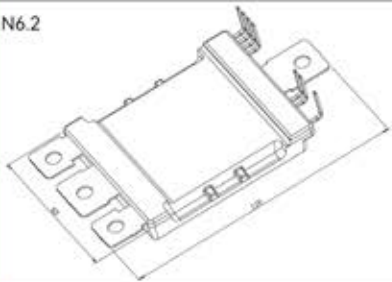
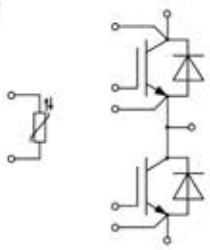
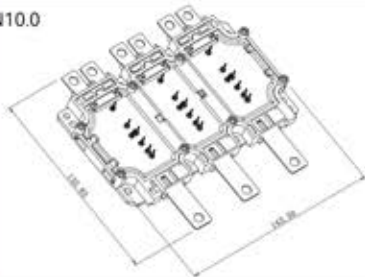
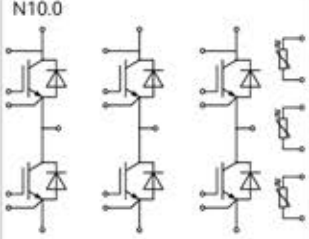
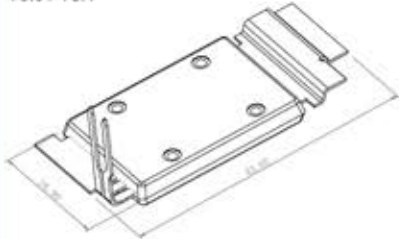
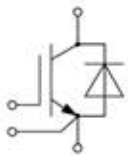
With NTC, Solder pins

P7 6-Pack	Dimension[mm]	Ic	650V		750V		1200V	
			X series	A series	X series	A series	X series	A series
P7.2 	P7.2 	300A	GD300HTX65P7S					
		400A	GD400HTX65P7S		GD400HTX75P7S			
		500A				GD500HTA75P7S_C		
P7.1 	P7.1 	400A	GD400HTX65P7HN		GD400HTX75P7HN			
		560A			GD560HTX75P7HN			
		660A			GD660HTX75P7HN			
P7.0 	P7.0 	260A			GD260HTX120P7H	GD260HTA75P7H_T		
		400A			GD400HTX75P7H			GD400HTA120P7H_T
		560A			GD560HTX75P7HB			
		660A			GD660HTX75P7HB	GD660HTA75P7H_T		

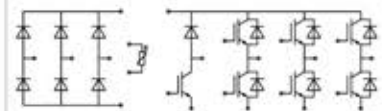
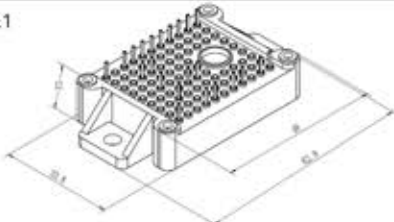
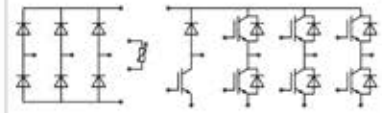
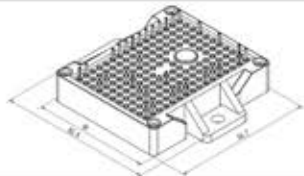
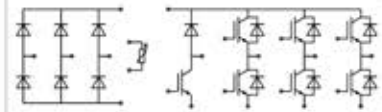
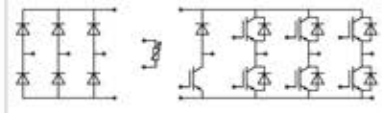
Automotive IGBT

With NTC, Solder pins	P8 6-Pack	Dimension[mm]	Ic	750V		1200V	
				X series	A series	X series	A series
	P8.0 	P8.0 	300A 650A 630A 400A 480A		GD650HTA75P8HFT GD630HTA75P8HFT GD400HTA75P8HFT		GD300HTA120P8HFT GD480HTA120P8HFT
	P8.1 	P8.1 	300A 650A 630A 400A 480A		GD650HTA75P8HFLT GD630HTA75P8HFLT GD400HTA75P8HFLT		GD300HTA120P8HFLT GD480HTA120P8HFLT
With NTC, Solder pin	N5 2-pack	Dimension[mm]	Ic	750V			
				X series	A series		
	N5.0 	N5.0 	660A 1000A	GD660HFX75N5HY	GD660HFA75N5HY GD1000HFA75N5HT		

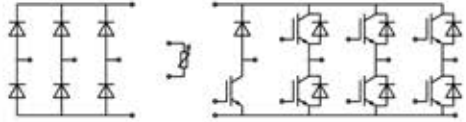
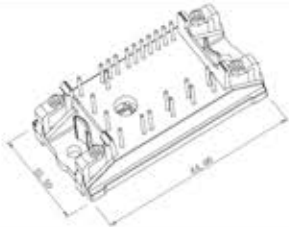
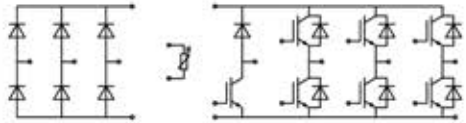
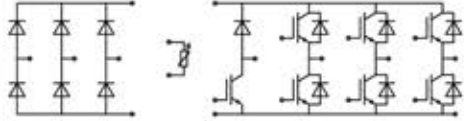
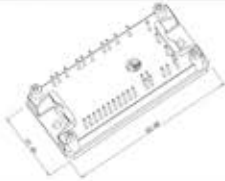
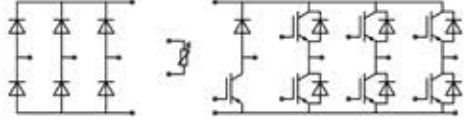
Automotive IGBT

With PTC, pins	N6 2-pack	Dimension[mm]	Ic	750V		1200V	
				X series	A series	X series	A series
	N6.2		450A			GD450HFX120N6HY	
			600A				GD600HFA120N6HY
			820A		GD820HFA75N6HY		
			1000A		GD1000HFA75N6HY		
With NTC, pins	N10 2-pack	Dimension[mm]	Ic	750V			
				X series	A series		
	N10.0		660A		GD660HFA75N10HY		
			1000A		GD1000HFA75N10HY		
T-pack	T6 Single Switch	Dimension[mm]	Ic	750V		1200V	
				X series	A series	X series	A series
	T6.0 / T6.1		200A			DG200X12T6B-U	DG200A12T6B-U
			340A	DG340X08T6B-U	DG340A08T6B-U		

PIM

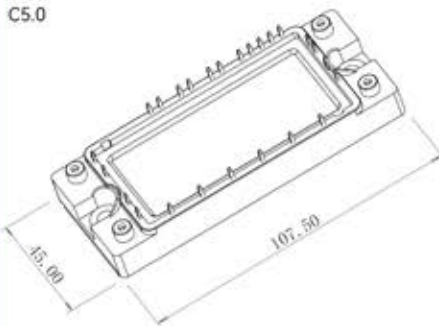
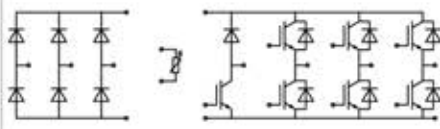
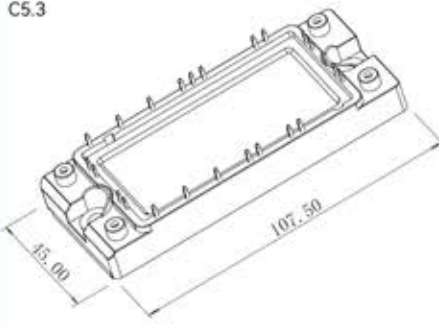
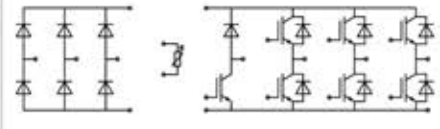
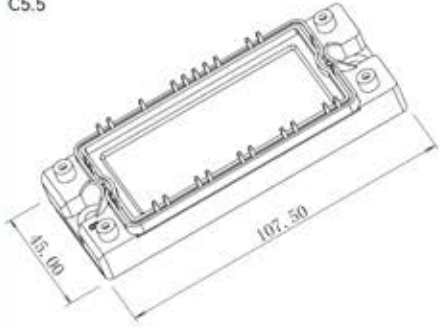
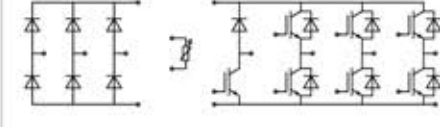
With NTC, Solder pin	L1 PIM	Dimension[mm]	Ic	650V X series	1200V	
					X series	A series
L1.0			10A	GD10PJX65L1S	GD10PJX120L1SA	
			15A	GD15PJX65L1S	GD15PJX120L1SA	
			20A	GD20PJX65L1S		
			30A	GD30PJX65L1S		
With NTC, solder pins	L2 PIM	Dimension[mm]	Ic	650V X series	1200V	
					X series	A series
L2.1			10A	GD10PJX65L2S	GD10PJX120L2SA	GD10PJA120L2S
			15A	GD15PJX65L2S	GD15PJX120L2SA	GD15PJA120L2S
			20A	GD20PJX65L2S		
			25A			GD25PJA120L2S
			30A	GD30PJX65L2S		
With NTC, solder pins	L3.0 PIM	Dimension[mm]	Ic	650V X series	1200V	
					X series	A series
L3.1			25A		GD25PJX120L3SA	GD25PJA120L3S
			30A	GD30PJX65L3S		
			35A		GD35PJX120L3SA	GD35PJA120L3S
			50A	GD50PJX65L3S		GD50PJA120L3S
With NTC, solder pins	F1 PIM	Dimension[mm]	Ic	650V X series	1200V X series	
F1.0			10A	GD10PJX65F1S	GD10PJX120F1S	
			15A	GD15PJX65F1S	GD15PJX120F1S	
			20A	GD20PJX65F1S		
			30A	GD30PJX65F1S		

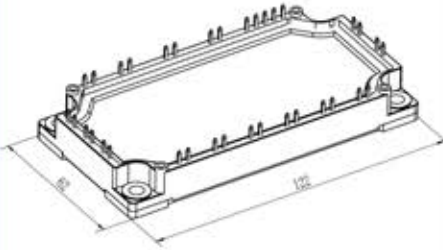
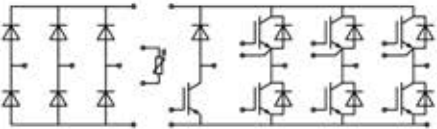
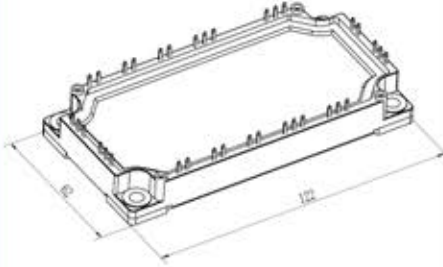
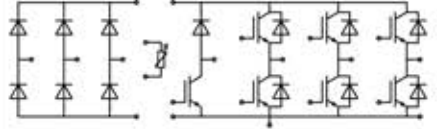
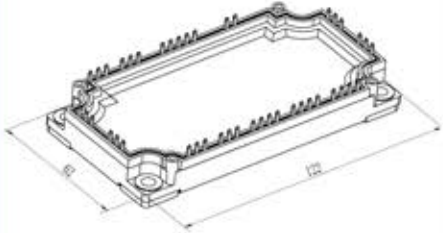
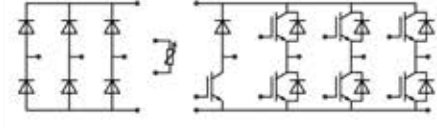
PIM

With NTC, Solder pin	F2 PIM	Dimension[mm]	Ic	650V X series	1200V X series
	F2.0 	F2.0 	15A		GD15PJX120F2S
			25A		GD25PJX120F2S
			35A		GD35PJX120F2S
With NTC, solder pins	F3 PIM	Dimension[mm]	Ic	650V X series	1200V X series
	F3.0 	F3.0 	10A	GD10PJX65F3S	GD10PJX120F3S
			15A	GD15PJX65F3S	GD15PJX120F3S
			20A	GD20PJX65F3S	
			30A	GD30PJX65F3S	
With NTC, solder pins	F4 PIM	Dimension[mm]	Ic	650V X series	1200V X series
	F4.0 	F4.0 	10A	GD10PJX65F4S	GD10PJX120F4S
			15A	GD15PJX65F4S	GD15PJX120F4S
			20A	GD20PJX65F4S	
			30A	GD30PJX65F4S	
With NTC, solder pins	F5 PIM	Dimension[mm]	Ic	650V X series	1200V X series
	F5.0 	F5.0 	15A		GD15PJX120F5S
			25A		GD25PJX120F5S
			35A		GD35PJX120F5S

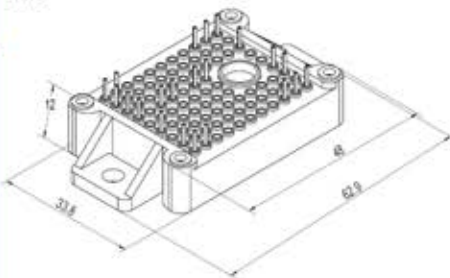
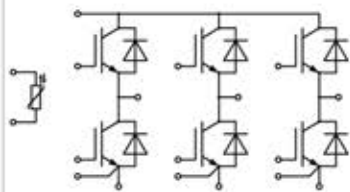
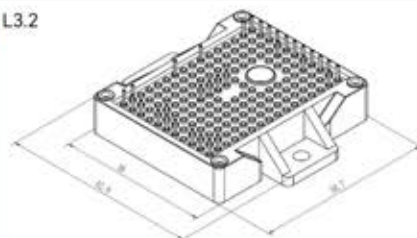
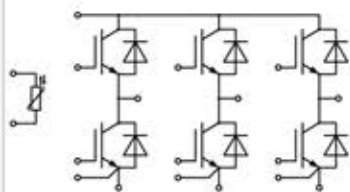
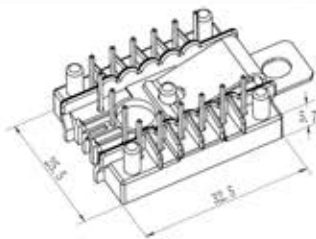
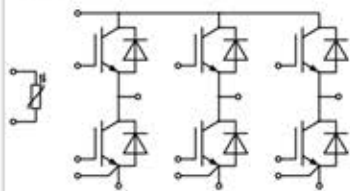
PIM

With NTC, Solder pins

C5 PIM	Dimension[mm]	Ic	650V	1200V	
			X series	X series	A series
C5.0 	C5.0 	15A		GD15PIX120C5SA	
		25A		GD25PIX120C5SA	
		30A	GD30PIX65C5S		
		40A		GD40PIX120C5SA	
C5.3 	C5.3 	25A		GD25PIX120C5SNA	GD25PIA120C5SN
		35A		GD35PIX120C5SNA	GD35PIA120C5SN
		50A	GD50PIX65C5SN	GD50PIX120C5SNA	GD50PIA120C5SN
		75A	GD75PIX65C5SN		GD75PIA120C5SN
		100A			GD100PIA120C5SN
C5.5 	C5.5 	50A	GD50PIX65C5SG	GD50PIX120C5SGA	GD50PIA120C5SG
		75A	GD75PIX65C5SG		GD75PIA120C5SG

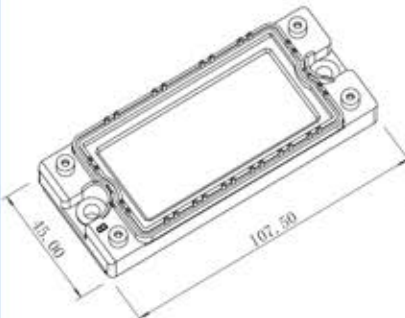
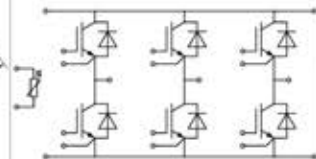
C6 PIM	Dimension[mm]	Ic	1200V		1700V
			X series	A series	X series
C6.0 	C6.0 	50A	GD50PIX120C6SA		GD50PIX170C6S
		75A	GD75PIX120C6SA		GD75PIX170C6S
		100A			
		150A			
		200A			
C6.3 	C6.3 	50A	GD50PIX120C6SNA		
		75A	GD75PIX120C6SNA	GD75PIA120C6SN	
		100A	GD100PIX120C6SNA	GD100PIA120C6SN	
		150A	GD150PIX120C6SNA	GD150PIA120C6SN	
		200A		GD200PIA120C6SN	
C6.6 	C6.6 	50A	GD50PIX120C6SGA	GD50PIA120C6SG	
		75A	GD75PIX120C6SGA	GD75PIA120C6SG	
		100A	GD100PIX120C6SGA	GD100PIA120C6SG	
		150A	GD150PIX120C6SGA	GD150PIA120C6SG	

6-Pack

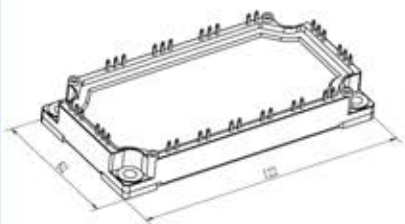
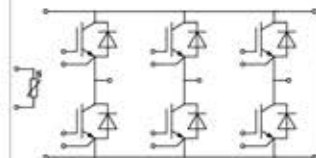
	L2 6-PACK	Dimension[mm]	Ic	650V	1200V	
				X series	X series	A series
With NTC, Solder pin	L2.0 	L2.0 	10A		GD10FSX120L2SA	
			15A		GD15FSX120L2SA	
			20A	GD20FSX65L2S		
			25A		GD25FSX120L2SA	GD25FSA120L2S
			30A	GD30FSX65L2S		
			35A		GD35FSX120L2SA	GD35FSA120L2S
			50A	GD50FSX65L2S		GD50FSA120L2S
	L3.0 6-PACK	Dimension[mm]	Ic	650V	1200V	
				X series	X series	A series
With NTC, Solder pin	L3.2 	L3.2 	50A		GD50FSX120L3SA	GD50FSA120L3S
			75A		GD75FSX120L3SA	GD75FSA120L3S
			100A			GD100FSA120L3S
	L4 6-PACK	Dimension[mm]	Ic	650V	1200V	
				X series	X series	A series
With NTC, Solder pin	L4.0 	L4.0 	10A	GD10FSX65L4SN	GD10FSX120L4SNA_B37	
			15A	GD15FSX65L4SN		
			20A	GD20FSX65L4SN		

6-Pack

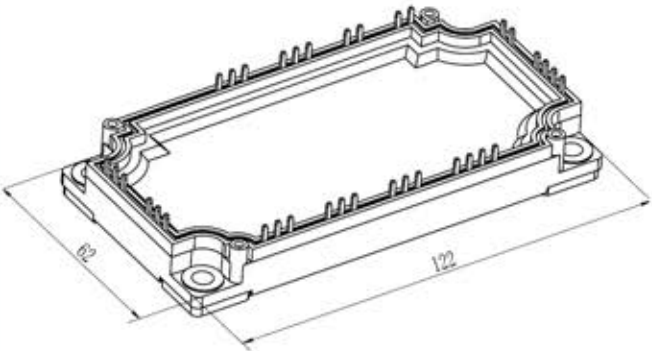
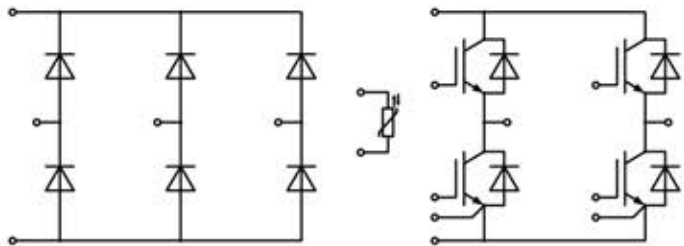
With NTC, Solder pin

C5 6-pack	Dimension[mm]	Ic	650V	1200V		1700V
			X series	X series	A series	X series
C5.2 	C5.2 	50A	GD50FFX65C5S	GD50FFX120C5SA	GD50FFA120C5S	GD50FFX170C5S
		75A	GD75FFX65C5S	GD75FFX120C5SA	GD75FFA120C5S	
		100A	GD100FFX65C5S	GD100FFX120C5SA	GD100FFA120C5S	
		150A			GD150FFA120C5S	

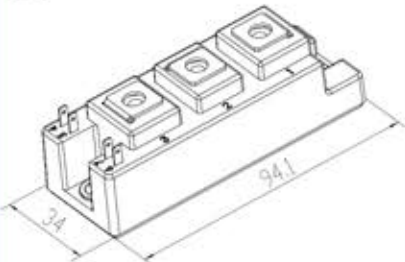
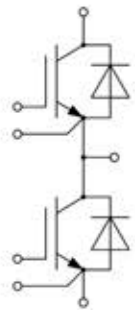
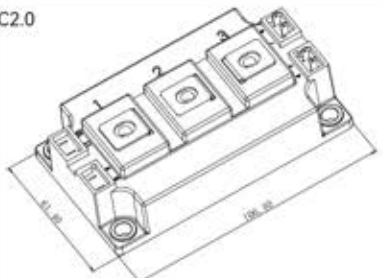
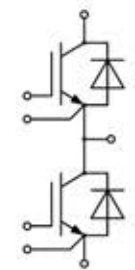
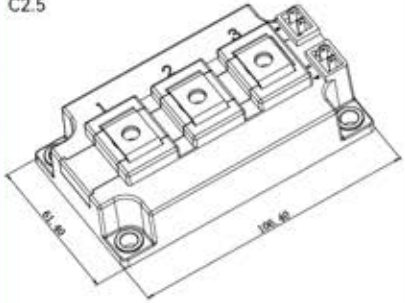
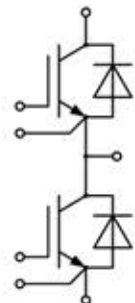
With NTC, Solder pin

C6 6-pack	Dimension[mm]	Ic	1200V		1700V
			X series	A series	X series
C6.2 	C6.2 	50A	GD50FFX120C6SA		
		75A	GD75FFX120C6SA		GD75FFX170C6S
		100A	GD100FFX120C6SA		GD100FFX170C6S
		150A	GD150FFX120C6SA	GD150FFA120C6S	GD150FFX170C6S
		200A	GD200FFX120C6SA	GD200FFA120C6S	
		300A		GD300FFA120C6S	

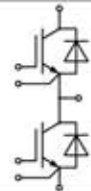
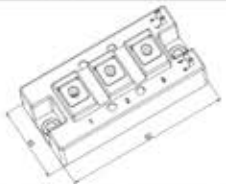
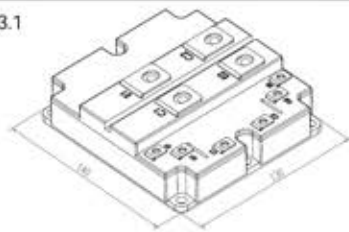
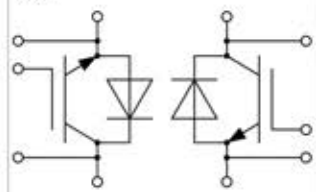
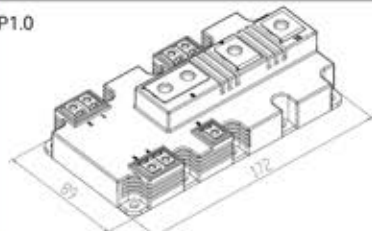
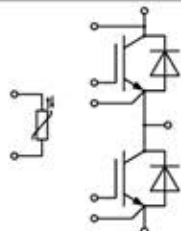
All In One

With NTC, Solder pin	C6 ALL IN ONE	Dimension[mm]	Ic	1700V X series
	C6.12	C6.12	50A	GD50PFX170C6SG
			75A	GD75PFX170C6SG
			100A	GD100PFX170C6SG
			150A	GD150PFX170C6SG
			200A	GD200PFX170C6SG

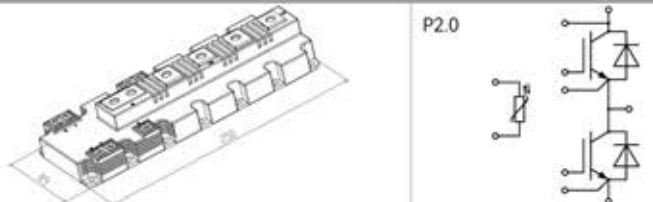
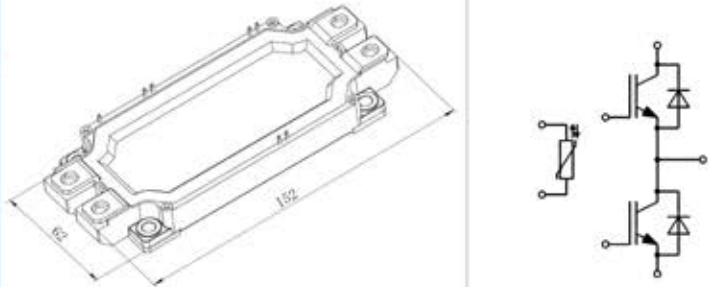
2-Pack

Without NTC	C1 2-Pack	Dimension[mm]	Ic	650V X series	1200V X series	1700V X series	
	C1.0 	C1.0 	50A	GD50HFX65C1S	GD50HFX120C1SA	GD50HFX170C1S	
			75A	GD75HFX65C1S	GD75HFX120C1SA	GD75HFX170C1S	
			100A	GD100HFX65C1S	GD100HFX120C1SA	GD100HFX170C1S	
			150A	GD150HFX65C1S	GD150HFX120C1SA	GD150HFX170C1S	
			200A	GD200HFX65C1S			
Without NTC	C2 2-Pack	Dimension[mm]	Ic	650V X series	1200V X series	A series	1700V X series
	C2.0 	C2.0 	150A		GD150HFX120C2SA		GD150HFX170C2S
			200A	GD200HFX65C2S	GD200HFX120C2SA		GD200HFX170C2S
			300A	GD300HFX65C2S	GD300HFX120C2SA		GD300HFX170C2S
			400A	GD400HFX65C2S	GD400HFX120C2SA		GD400HFX170C2S
			450A	GD450HFX65C2S	GD450HFX120C2SA		
			600A	GD600HFX65C2S	GD600HFX120C2SA		
	C2.5 	C2.5 	150A		GD150HFX120C2SA_B20	GD150HFA120C2S_B20	
			200A		GD200HFX120C2SA_B20	GD200HFA120C2S_B20	
			300A		GD300HFX120C2SA_B20	GD300HFA120C2S_B20	
			400A		GD400HFX120C2SA_B20	GD400HFA120C2S_B20	
			450A		GD450HFX120C2SA_B20		
			600A		GD600HFX120C2SA_B20	GD600HFA120C2S_B20	
			800A			GD800HFA120C2S_B20	

2-Pack

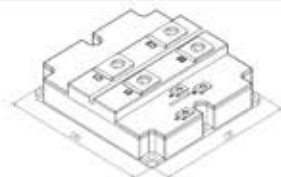
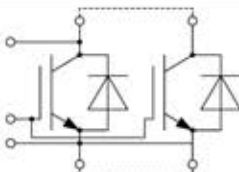
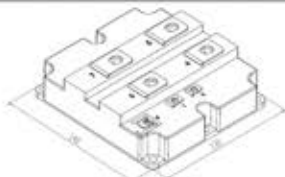
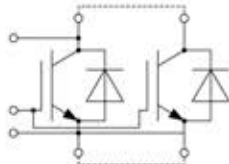
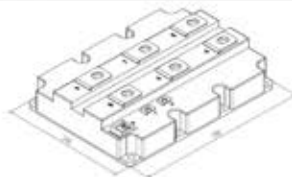
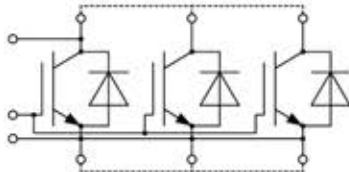
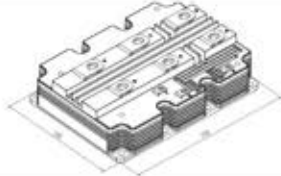
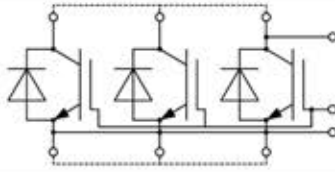
	C8 2-Pack	Dimension[mm]	Ic	650V	1200V	1700V	
				X series	X series	X series	
Without NTC	C8.0 	C8.0 	150A		GD150HFX120C8SA		
			200A	GD200HFX65C8S	GD200HFX120C8SA		
			300A	GD300HFX65C8S			
			400A	GD400HFX65C8S			
	C8.1 	C8.1 	150A		GD150HFX120C8SNA		
			200A	GD200HFX65C8SN	GD200HFX120C8SNA		
			300A	GD300HFX65C8SN			
			400A	GD400HFX65C8SN			
	C3 2-Pack	Dimension[mm]	Ic	650V	1200V		
				X series	X series		
Without NTC	C3.1 	C3.1 	800A		GD800HFX170C3S		
			1200A		GD1200HFX170C3S		
			1600A				
			2400A				
	P1 2-Pack	Dimension[mm]	Ic	1200V	1700V		
				X series	X series		
Without NTC	P1.0 	P1.0 	450A	GD450HFX120P1SA			
			600A	GD600HFX120P1SA			
			650A		GD650HFX170P1S		
			900A	GD900HFX120P1SA			

2-Pack

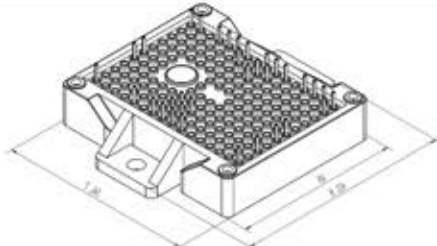
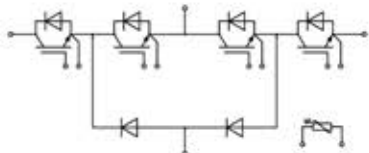
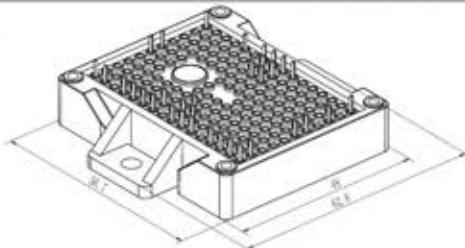
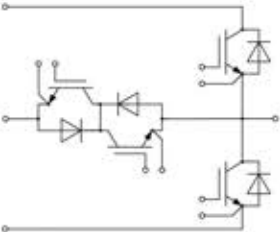
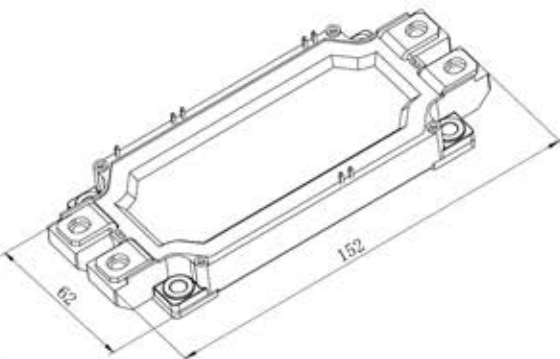
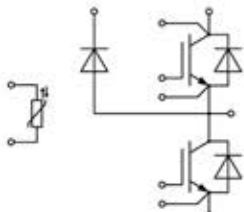
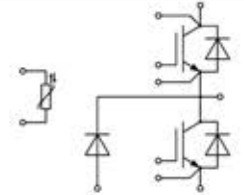
With NTC	P2 2-Pack	Dimension[mm]	Ic	1200V X series	1700V X series		
	P2.0		1000A		GD1000HFX170P2S		
			1400A	GD1400HFX120P2SA	GD1400HFX170P2S		
With NTC, Solder pins	C6.1 2-Pack	Dimension[mm]	Ic	1200V		1700V	
				X series	A series	X series	A series
	C6.1		150A	GD150HFX120C6SA			
			225A	GD225HFX120C6SA		GD225HFX170C6S	
			300A	GD300HFX120C6SA	GD300HFA120C6S	GD300HFX170C6S	GD300HFA170C6S
			450A	GD450HFX120C6SA	GD450HFA120C6S	GD450HFX170C6S	GD450HFA170C6S
			600A	GD600HFX120C6SA	GD600HFA120C6S	GD600HFX170C6S	GD600HFA170C6S
			750A		GD750HFA120C6S		GD750HFA170C6S
			800A		GD800HFA120C6SD		GD800HFA170C6S
			900A		GD900HFA120C6S		GD900HFA170C6S
			1000A		GD1000HFA120C6S		
With NTC	V6 Half Bridge	Dimension[mm]	Ic	1200V X series	1700V L series		
	V6.0		450A				
			1200A	GD1200HFX120V6S	GD1200HFL170V6S		
			1800A	GD1800HFX120V6S	GD1800HFL170V6S		

1-Pack

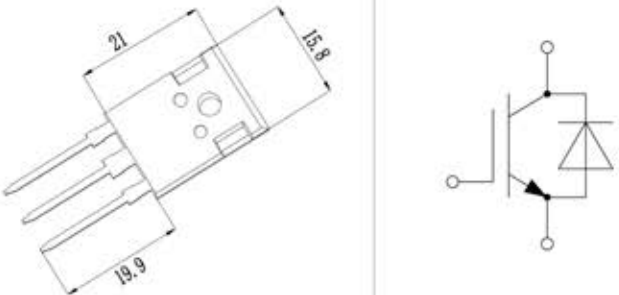
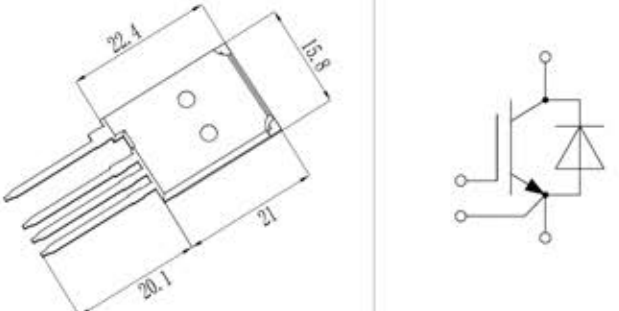
Without NTC

C3 1-Pack		Dimension[mm]	Ic	1200V X series	1700V X series
C3.0			800A		
			1200A		
			1600A		GD1600SGX170C3S
			2400A		
C3.2 1-Pack		Dimension[mm]	Ic	1200V X series	1700V X series
C3.2			800A		
			1200A		
			1600A		
			2400A		GD2400SGX170C3SN
C4 1-Pack		Dimension[mm]	Ic	1200V X series	1700V X series
C4.0			2400A		GD2400SGX170C4S
			3600A		GD3600SGX170C4S
V4 Single		Dimension[mm]	Ic	4500V L series	
V4.0			450A		
			600A		
			800A	GD800SGL450V4S	
			1200A	GD1200SGL450V4S	

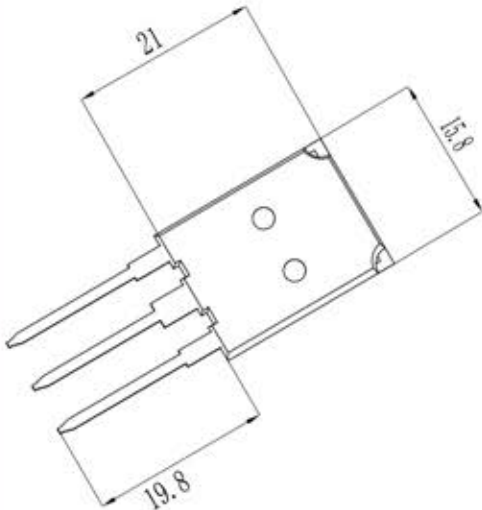
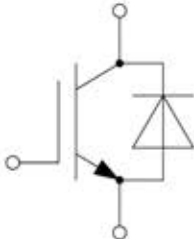
3-Level

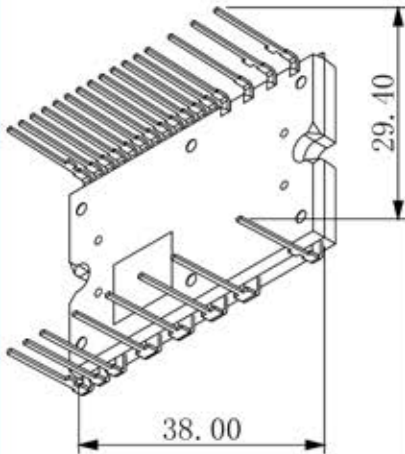
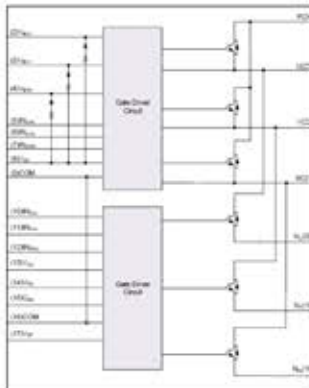
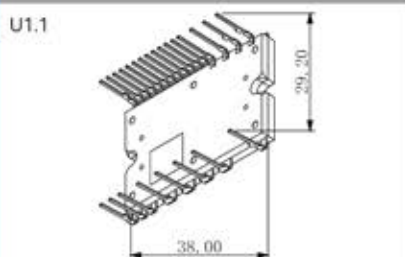
With NTC, Solder pins	L3 3-Level		Dimension[mm]	Ic	650V X series	1200V Q series
	L3.3			75A	GD75MLX65L3S	
				100A	GD100MLX65L3S	
				150A	GD150MLX65L3S	
L3.4			100A		GD100TLQ120L3S	
			200A		GD200TLQ120L3S	
With NTC, Solder pins	C6.1 3-level		Dimension[mm]	Ic	1200V	
	C6.15			300A	GD300MNX120C6SA	
					GD300MPX120C6SA	
					450A	GD450MNX120C6SA
				600A	GD450MPX120C6SA	
					GD600MNX120C6SA	
					GD600MPX120C6SA	
					C6.15	
	GD750MPA120C6S					
900A		GD900MNA120C6S				
			GD900MPA120C6S			

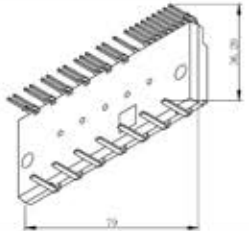
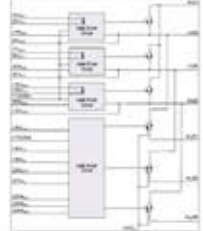
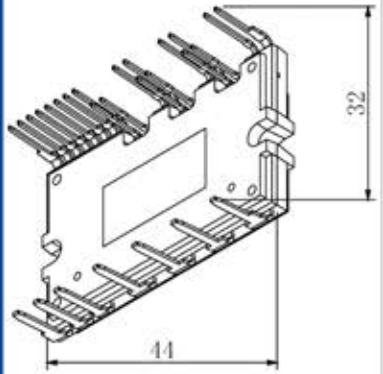
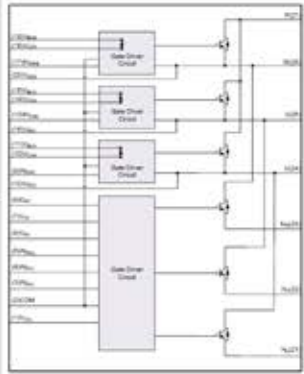
Discrete Device

	TO-247-3L-Single Switch	Dimension[mm]	Ic	650V	750V	1200V	
				X series	A series	X series	A series
Without NTC	TO-247-3L 	TO-247-3L	10A			DG10X12T2	DG10A12TASS
			15A			DG15X12T2	DG15A12TASS
			25A			DG25X12T2	DG25A12TASS
							DG25A12TAFS
			30A	DG30X07T2	DG30A08TALS DG30A08TAFS		
			40A		DG40A08TALS DG40A08TAFS	DG40X12T2	DG40A12TASS DG40A12TALD DG40A12TAFS
			50A	DG50X07T2	DG50A08TALS DG50A08TAFS		DG50A12TASS DG50A12TAFS
			75A	DG75X07T2L	DG75A08TALS DG75A08TAFS		
	TO-247PLUS-4L-Single Switch	Dimension[mm]	Ic	650V	750V	1200V	
				X series	A series	X series	A series
Without NTC	TO-247PLUS-4L 	TO-247PLUS-4L	40A				
			50A				
			75A				
			100A		DG100A08TDFS		DG100A12TDFS
			120A		DG120A08TDFS		DG120A12TDFS
			140A				DG140A12TDFS
			160A		DG160A08TDFS		
			200A				

Discrete Device

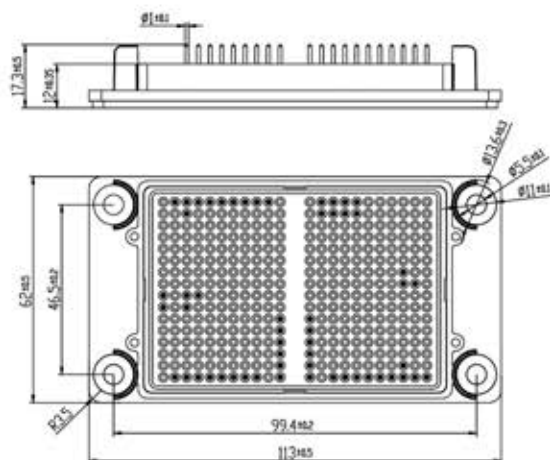
Without NTC	TO-247PUS-3L-Single Switch	Dimension[mm]	Ic	650V X series	750V A series	1200V	
						X series	A series
	TO-247PLUS-3L 	TO-247PLUS-3L 	40A				DG40A12TCSS
							DG40A12TCFS
			50A			DG50X12T2	DG50A12TCSS
							DG50A12TCFS
			75A			DG75X12T2	DG75A12TCSS
							DG75A12TCFS
			100A	DG100X07T2	DG100A08TCLS		DG100A12TCSS
					DG100A08TCFS		DG100A12TCFS
			120A		DG120A08TCSS		
				DG120X07T2	DG120A08TCLS		DG120A12TCFS
					DG120A08TCFS		
			140A				DG140A12TCFS
			160A	DG160X07T2	DG160A08TCLS		
					DG160A08TCFS		
			200A		DG200A08TCSS		

U1	Dimension[mm]	Fo duration selection	V(temp) out	OT protection	UV protection	Short pin	Ic	600V	700V
								X series	X series
U1.0 	U1.0 	-	-	-	√	-	10A	ID10FFX60U1S	
		-	-	-	√	-	15A	ID15FFX60U1S	
		-	-	-	√	-	20A	ID20FFX60U1S	
		-	-	-	√	-	30A	ID30FFX60U1S	
		-	-	-	√	-	35A	ID35FFX60U1S	
		-	√	-	√	-	10A	ID10FFX60U1S_A	
		-	√	-	√	-	15A	ID15FFX60U1S_A	
		-	√	-	√	-	20A	ID20FFX60U1S_A	
		-	√	-	√	-	30A	ID30FFX60U1S_A	
		-	√	-	√	-	35A	ID35FFX60U1S_A	
		-	√	√	√	-	10A	ID10FFX60U1S_B	
		-	√	√	√	-	15A	ID15FFX60U1S_B	
		-	√	√	√	-	20A	ID20FFX60U1S_B	
		-	√	√	√	-	30A	ID30FFX60U1S_B	
		-	√	√	√	-	35A	ID35FFX60U1S_B	
U1.1 		-	√	-	√	√	10A	ID10FFX60U1S_D	
		-	√	-	√	√	15A	ID15FFX60U1S_D	
		-	√	-	√	√	20A	ID20FFX60U1S_D	
		-	√	-	√	√	30A	ID30FFX60U1S_D	
		-	√	-	√	√	35A	ID35FFX60U1S_D	

Without NTC	U2	Dimension[mm]	Fo duration selection	V(temp) out	OT protection	UV protection	Short pin	Ic	600V X series	700V X series
Without NTC			-	√	-	√	-	50A	ID50FFX60U2S_A	
			-	√	-	√	-	75A	ID75FFX60U2S_A	
Without NTC	U3	Dimension[mm]	Fo duration selection	V(temp) out	OT protection	UV protection	Short pin	Ic	600V X series	700V X series
Without NTC			√	-	-	√	-	15A	ID15FFX60U3S	
			√	-	-	√	-	20A	ID20FFX60U3S	
			√	-	-	√	-	30A	ID30FFX60U3S	
			√	-	-	√	-	40A	ID40FFX60U3S	
			√	-	-	√	-	50A	ID50FFX60U3S	
			-	√	-	√	-	15A	ID15FFX60U3S_A	
			-	√	-	√	-	20A	ID20FFX60U3S_A	
			-	√	-	√	-	30A	ID30FFX60U3S_A	ID30FFX70U3S_A
			-	√	-	√	-	40A	ID40FFX60U3S_A	ID40FFX70U3S_A
			-	√	-	√	-	50A	ID50FFX60U3S_A	ID50FFX70U3S_A
			-	√	√	√	-	15A	ID15FFX60U3S_B	
			-	√	√	√	-	20A	ID20FFX60U3S_B	
			-	√	√	√	-	30A	ID30FFX60U3S_B	
			-	√	√	√	-	40A	ID40FFX60U3S_B	
			-	√	√	√	-	50A	ID50FFX60U3S_B	

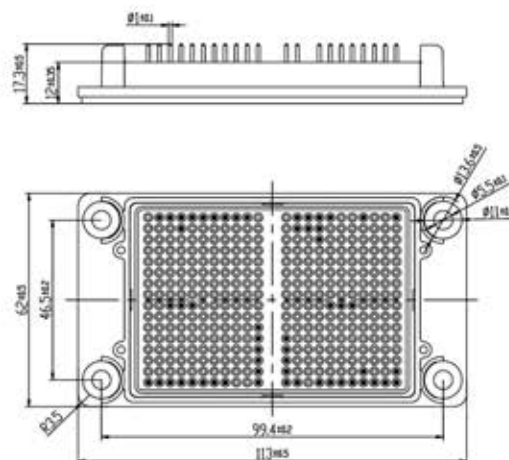
Package Outlines, mm

Solar Power



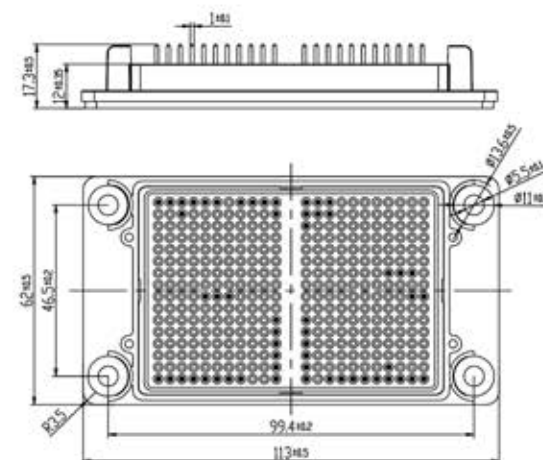
L6.0

Solar Power



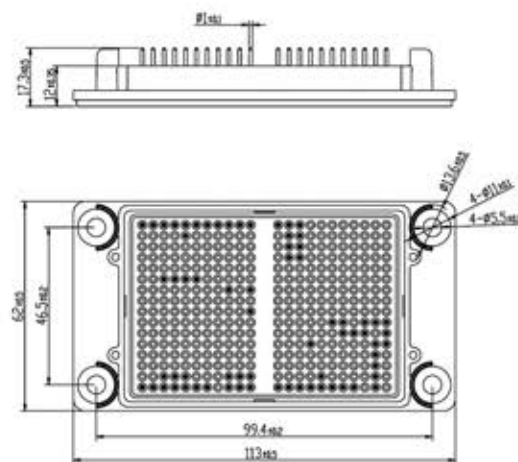
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Solar Power



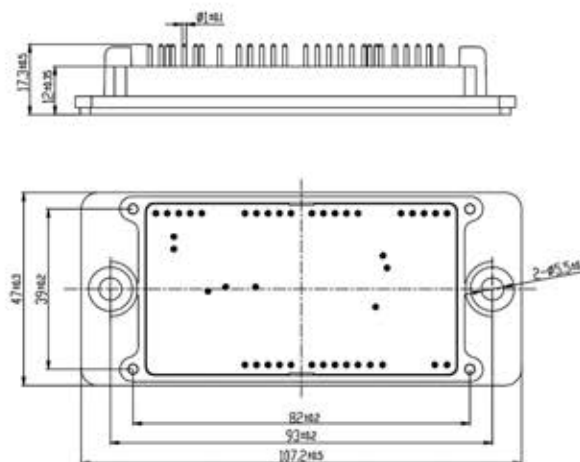
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Solar Power



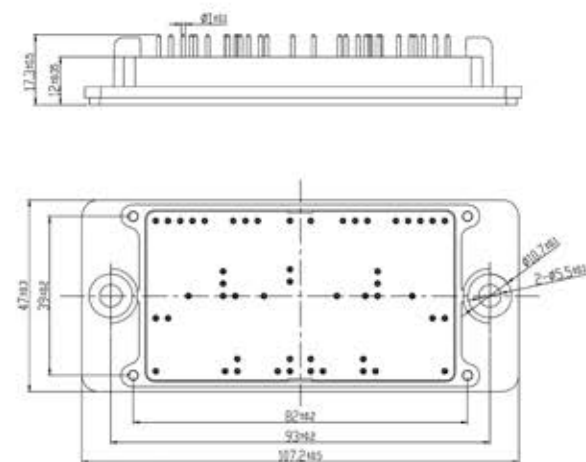
L6.3

Solar Power



F6.0

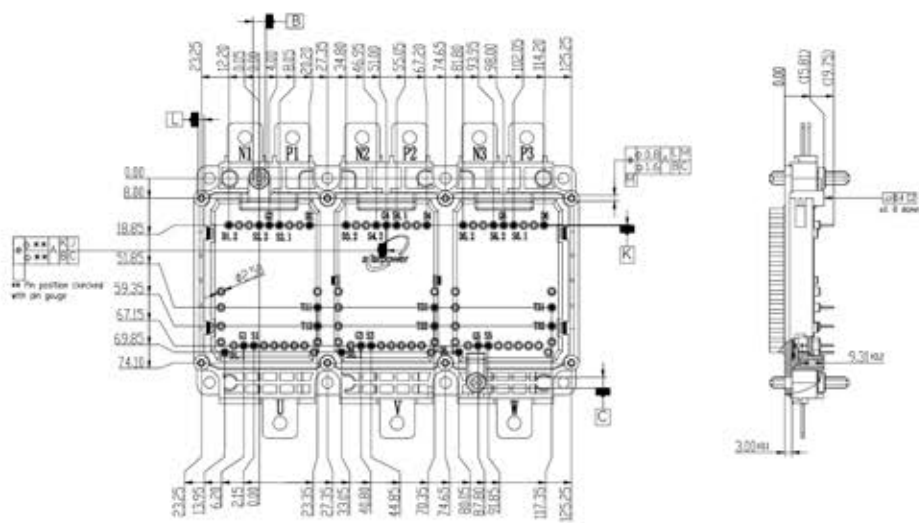
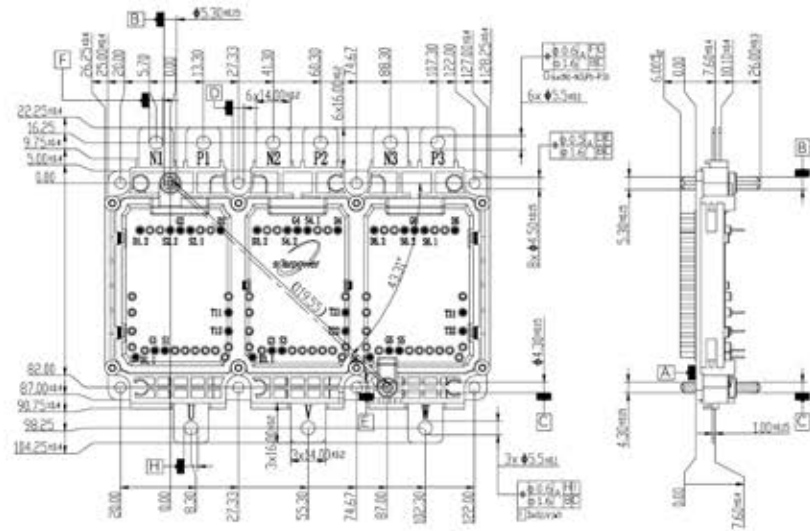
Solar Power



F6.1

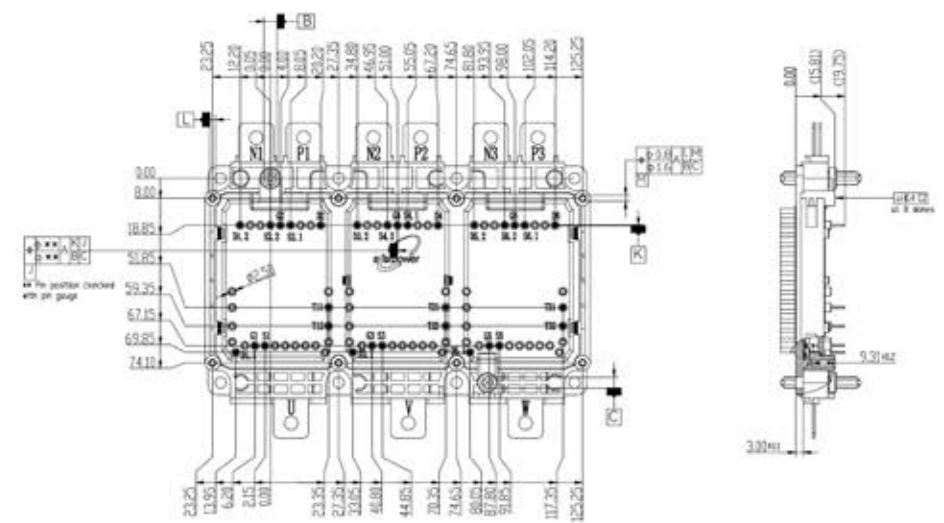
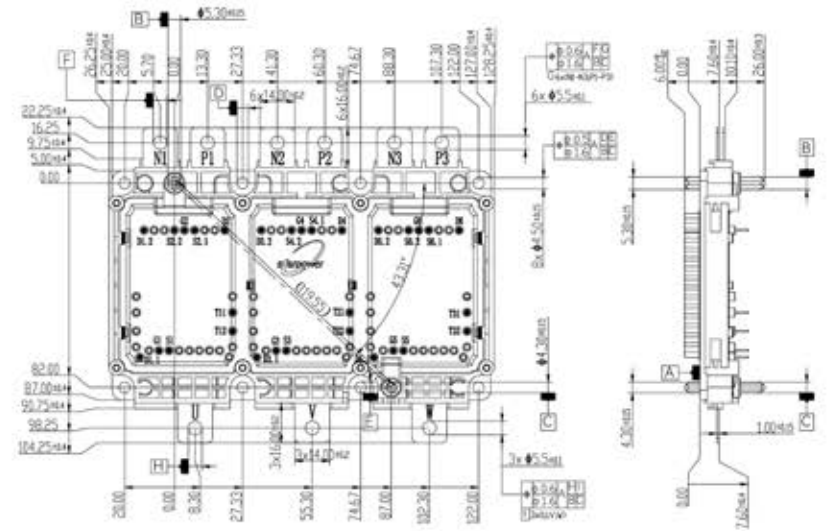
Package Outlines, mm

Automotive SiC



P6.5

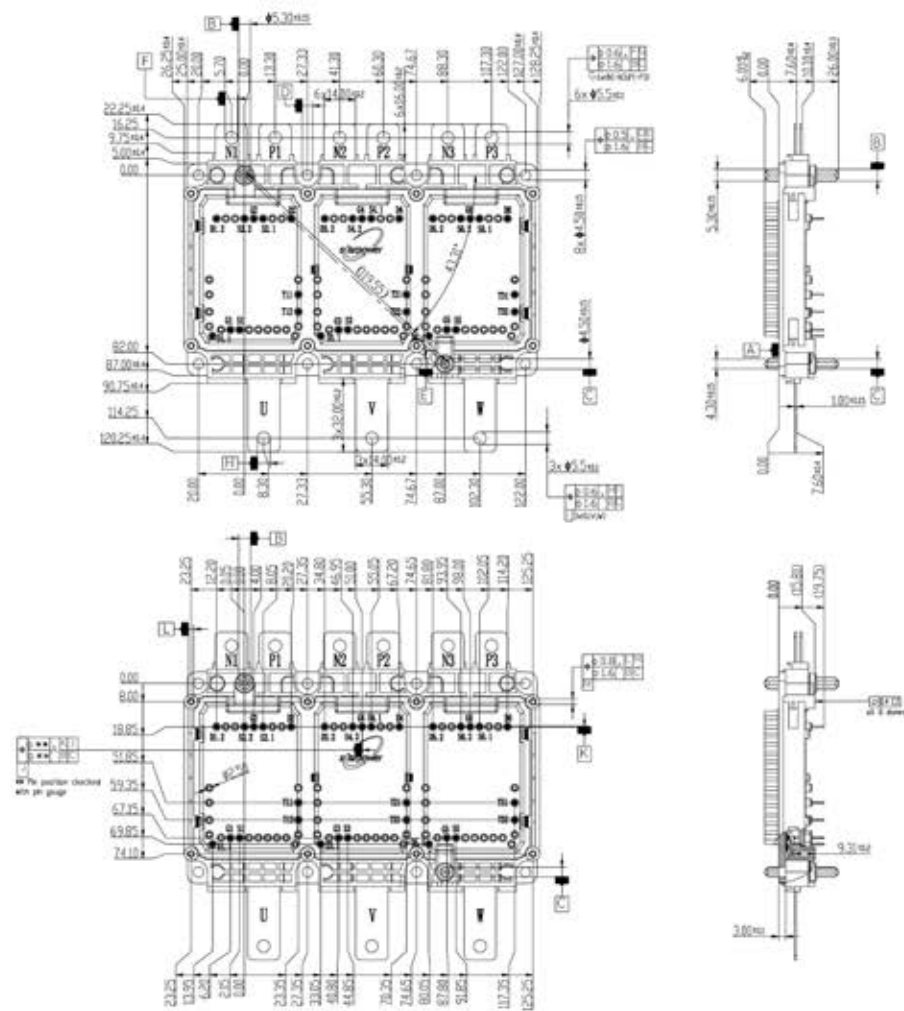
Automotive SiC



P6.6

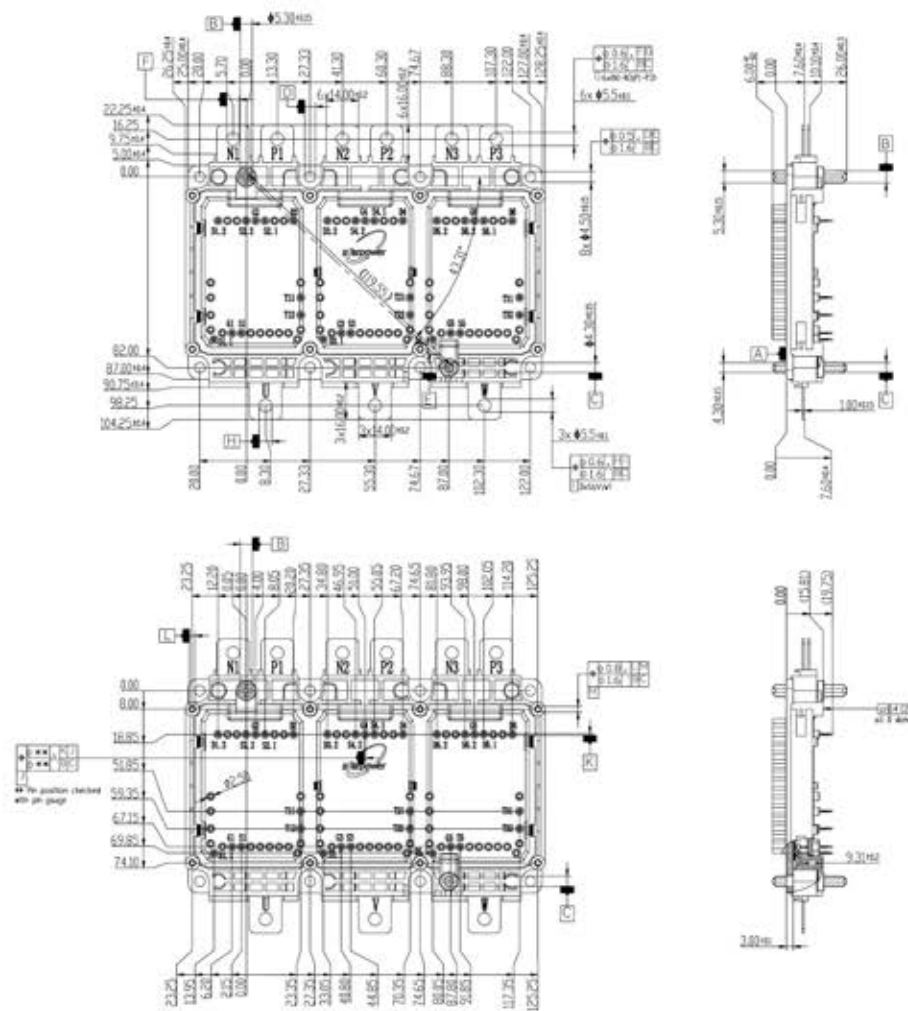
Package Outlines, mm

Automotive SiC



P6.7

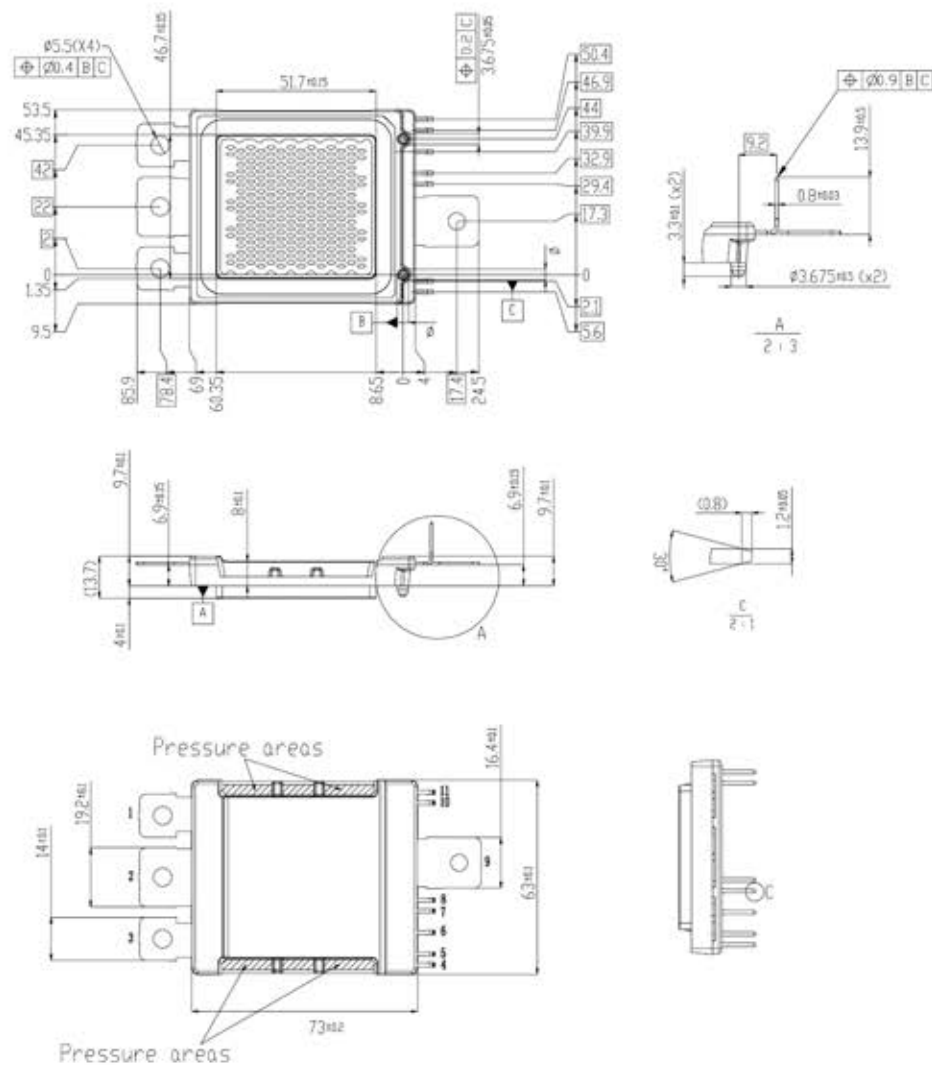
Automotive SiC



P6.8

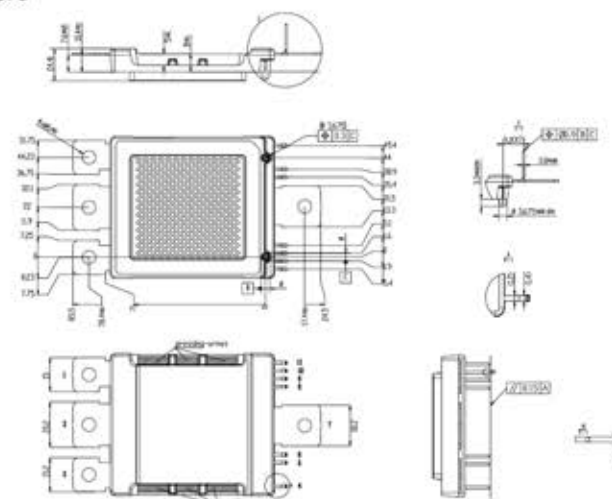
Package Outlines, mm

Automotive SiC



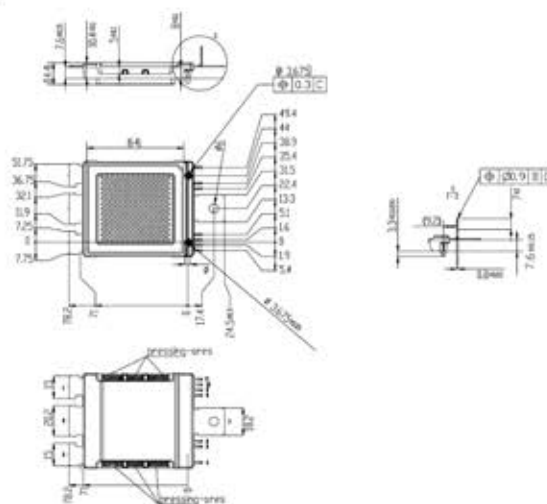
N5.1

Automotive SiC



N6.0

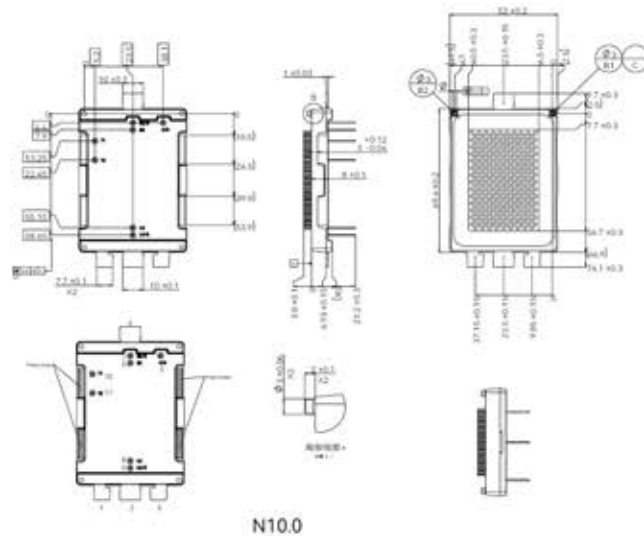
Automotive SiC



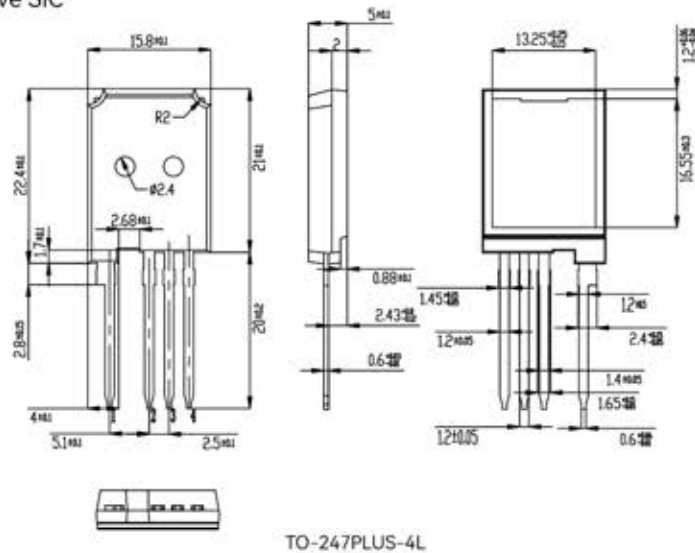
N6.1

Package Outlines, mm

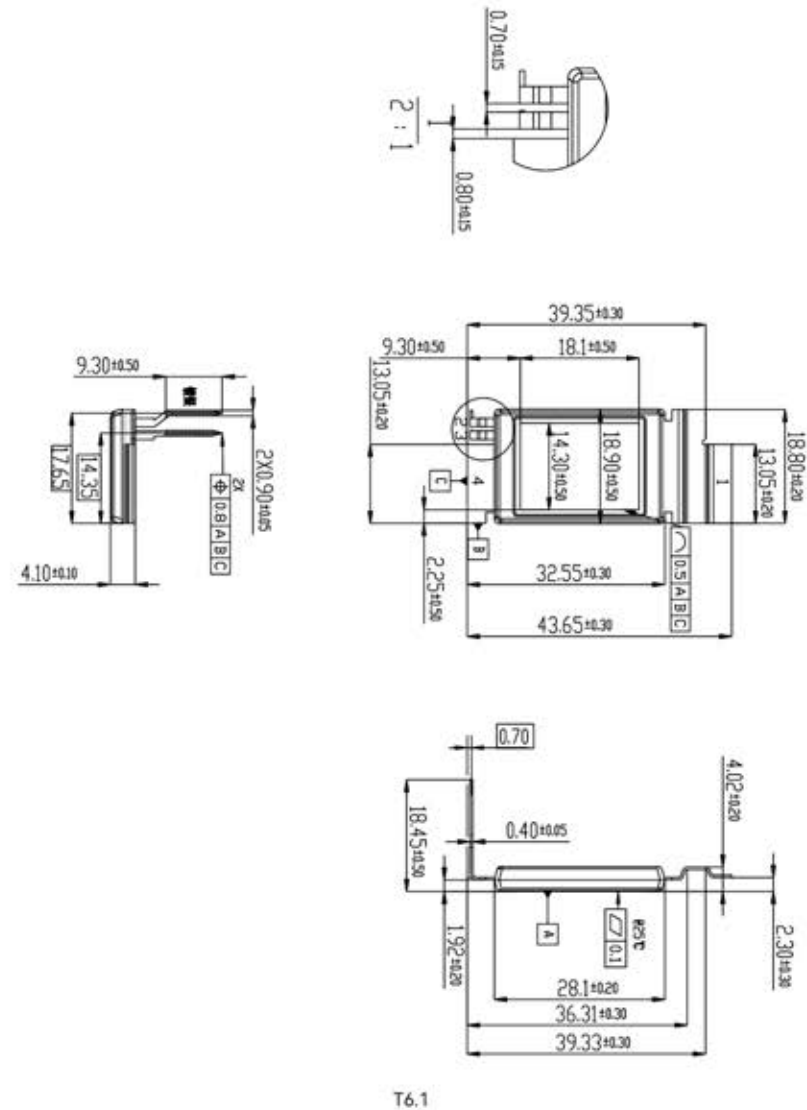
Automotive SiC



Automotive SiC

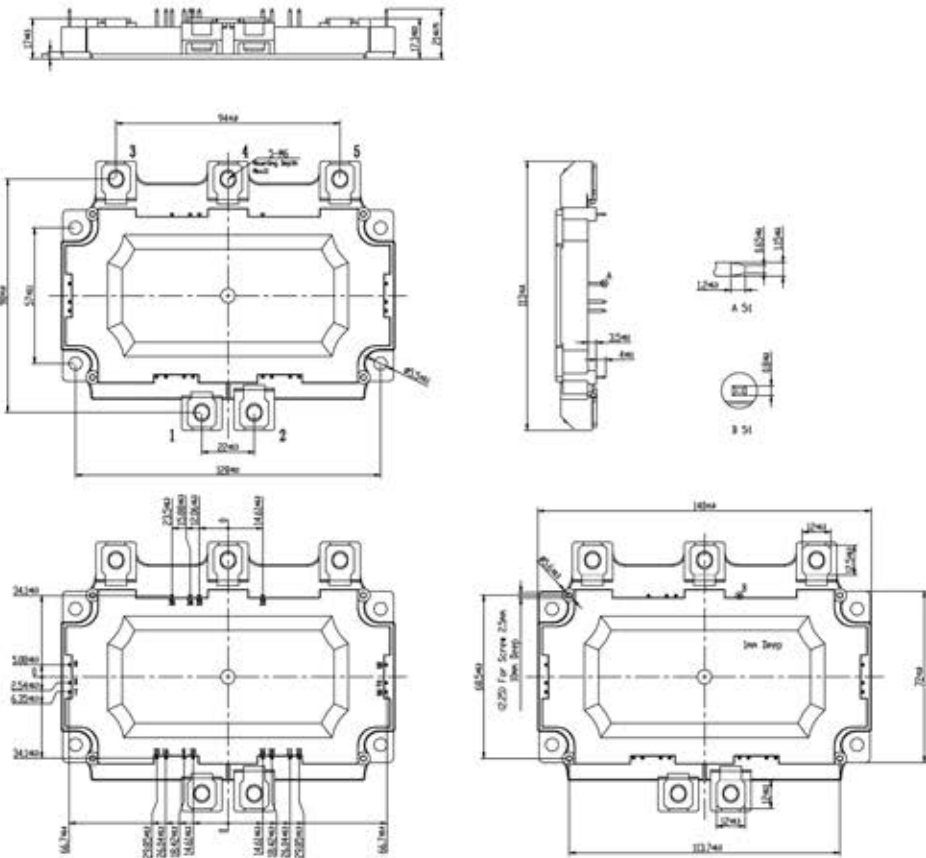


Automotive SiC



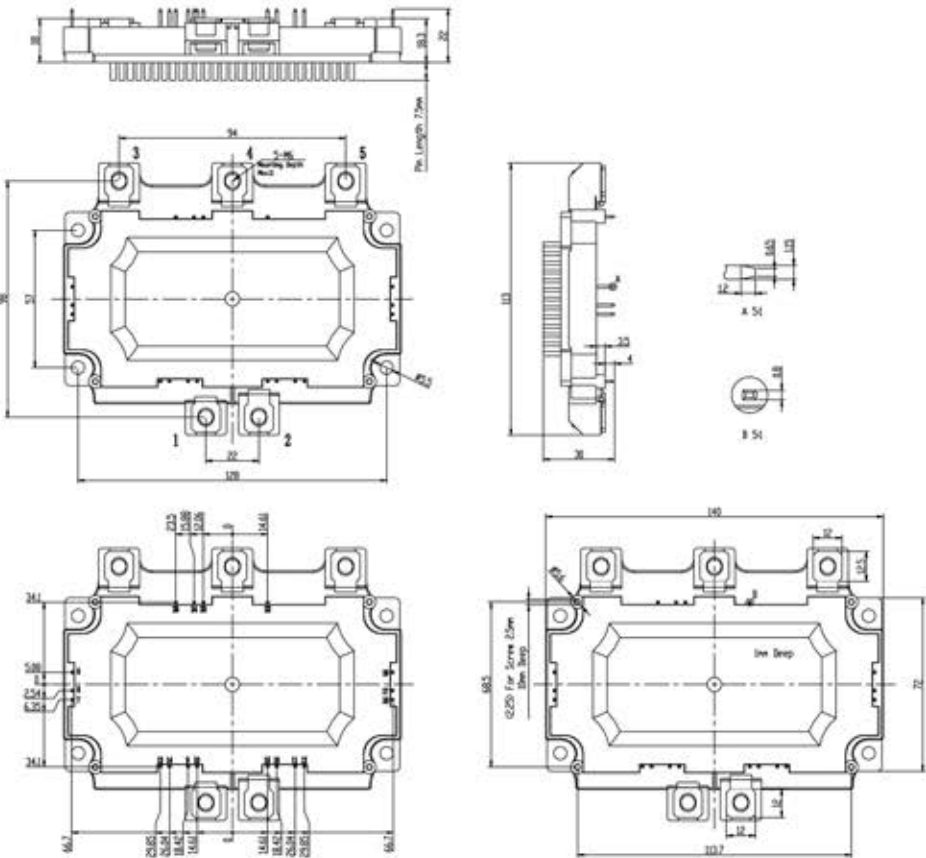
Package Outlines, mm

Automotive IGBT



P3.0

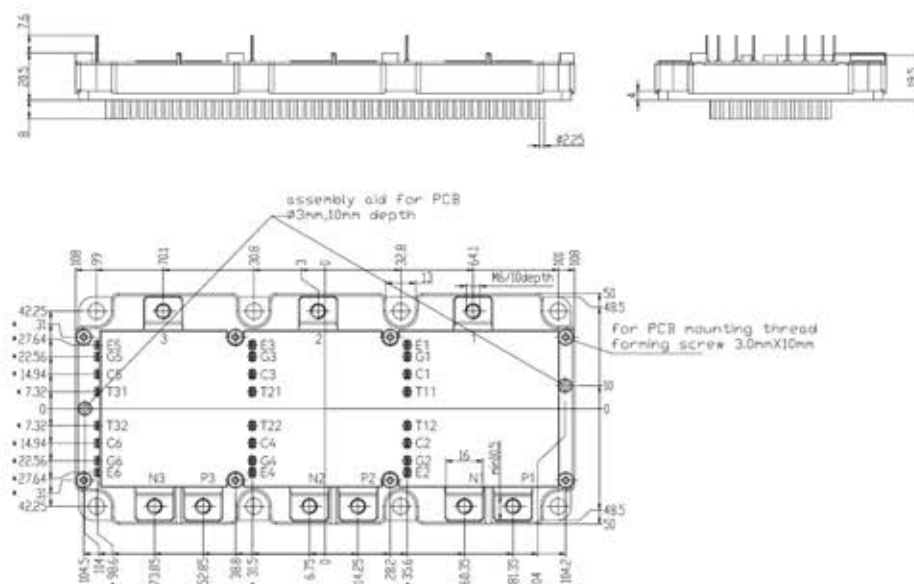
Automotive IGBT



P3.1

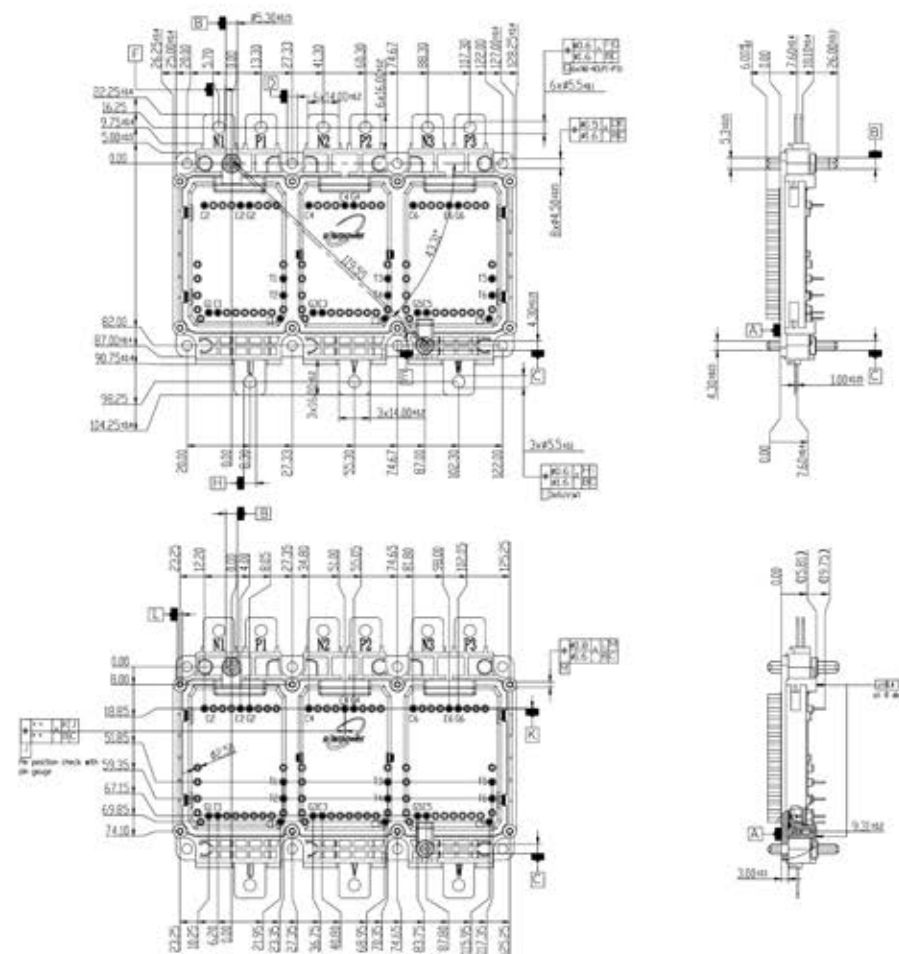
Package Outlines, mm

Automotive IGBT



P4.0

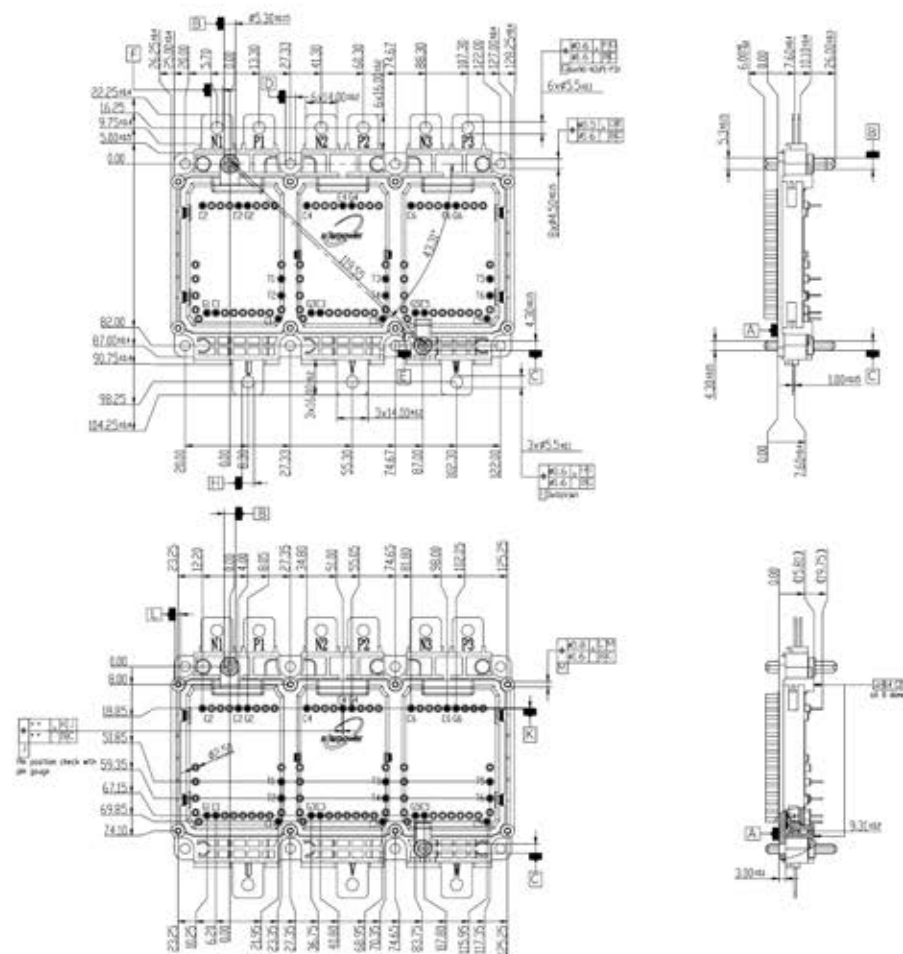
Automotive IGBT



P6.0

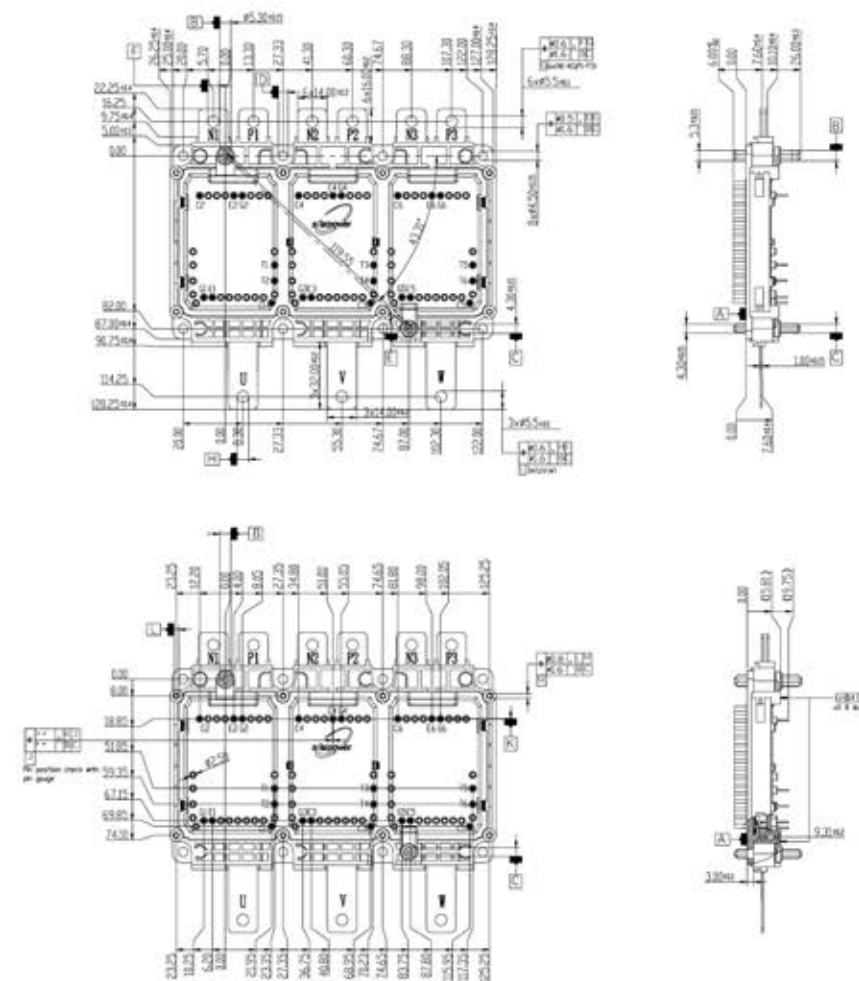
Package Outlines, mm

Automotive IGBT



P6.1

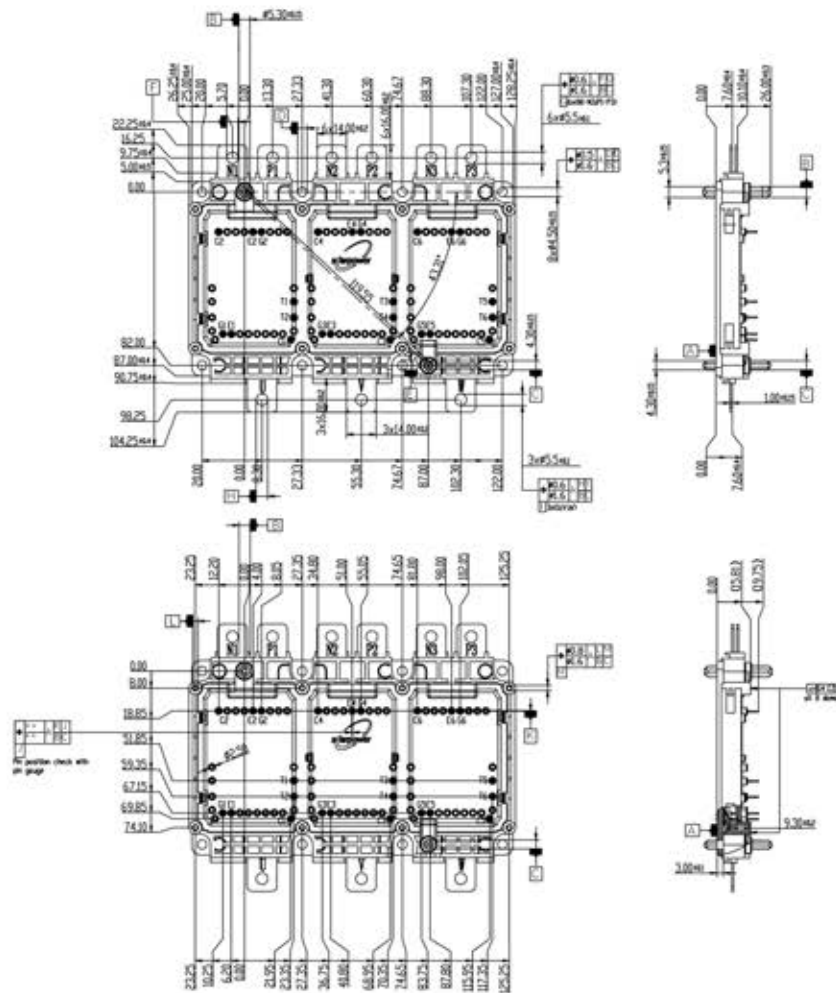
Automotive IGBT



P6.2

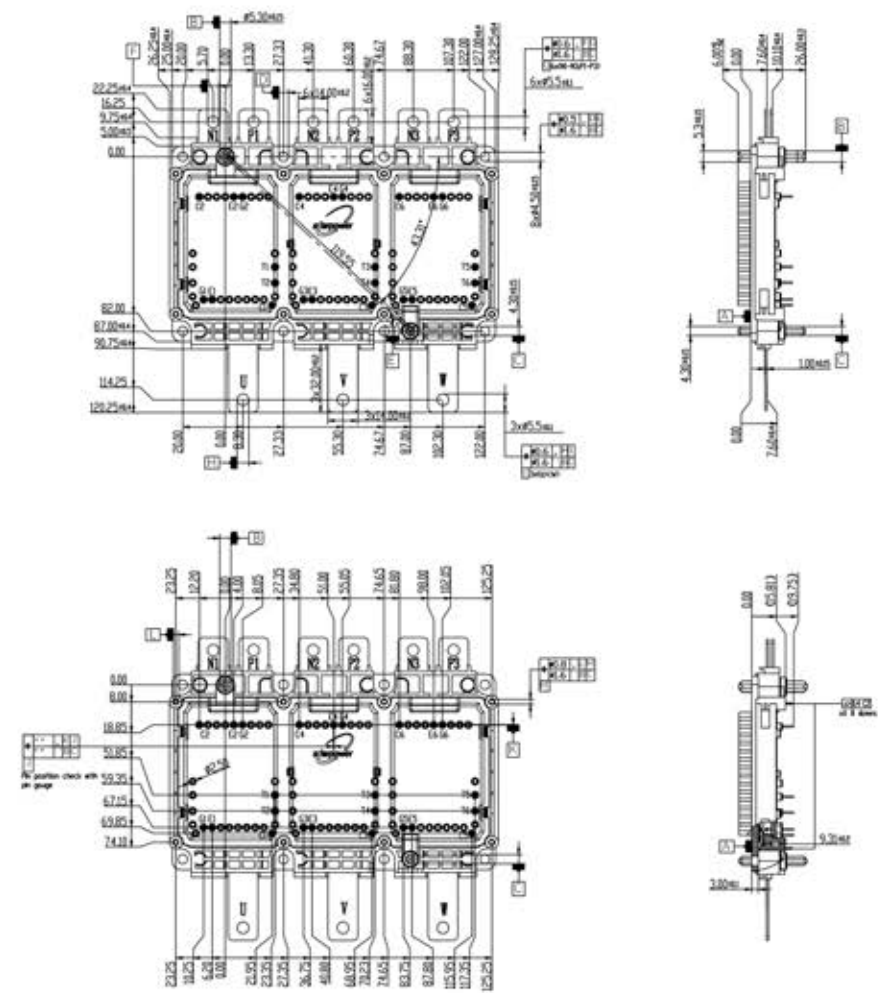
Package Outlines, mm

Automotive IGBT



P6.4

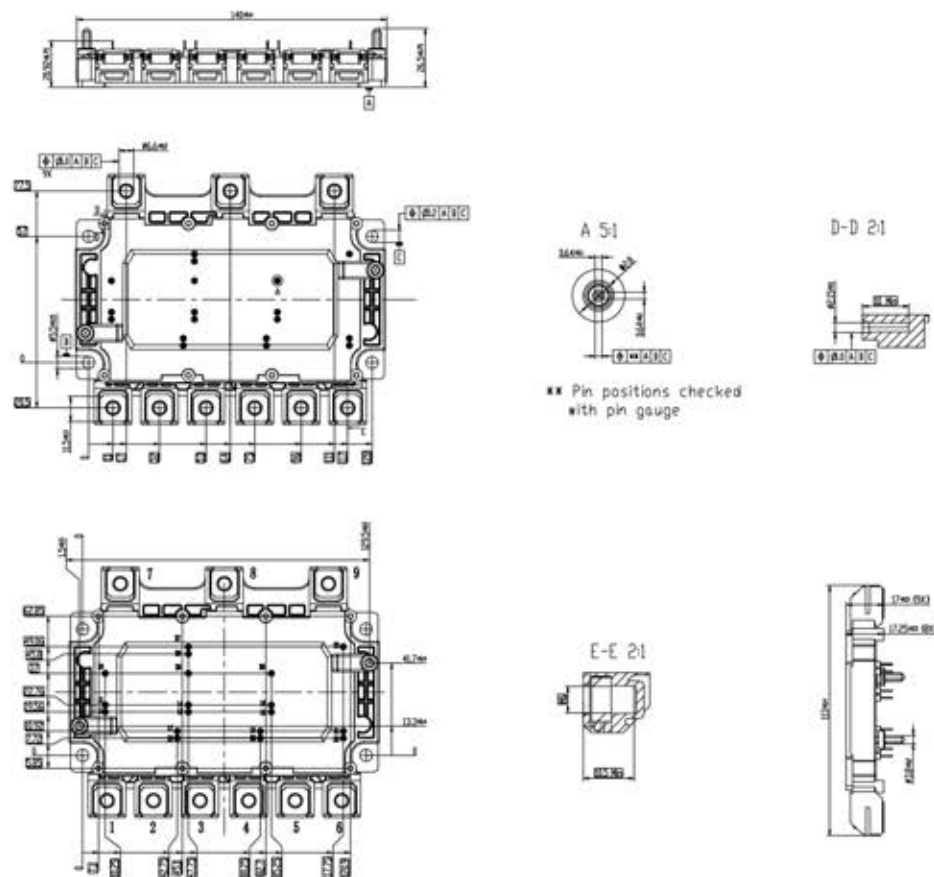
Automotive IGBT



P6.3

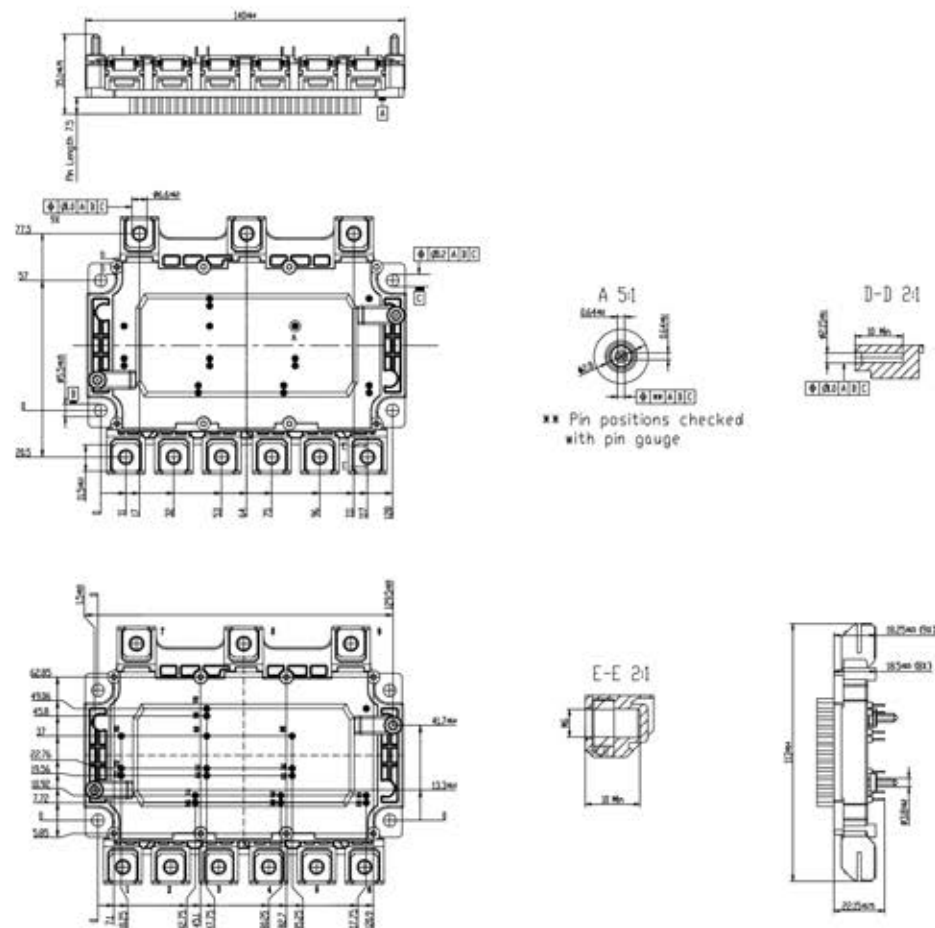
Package Outlines, mm

Automotive IGBT



P7.2

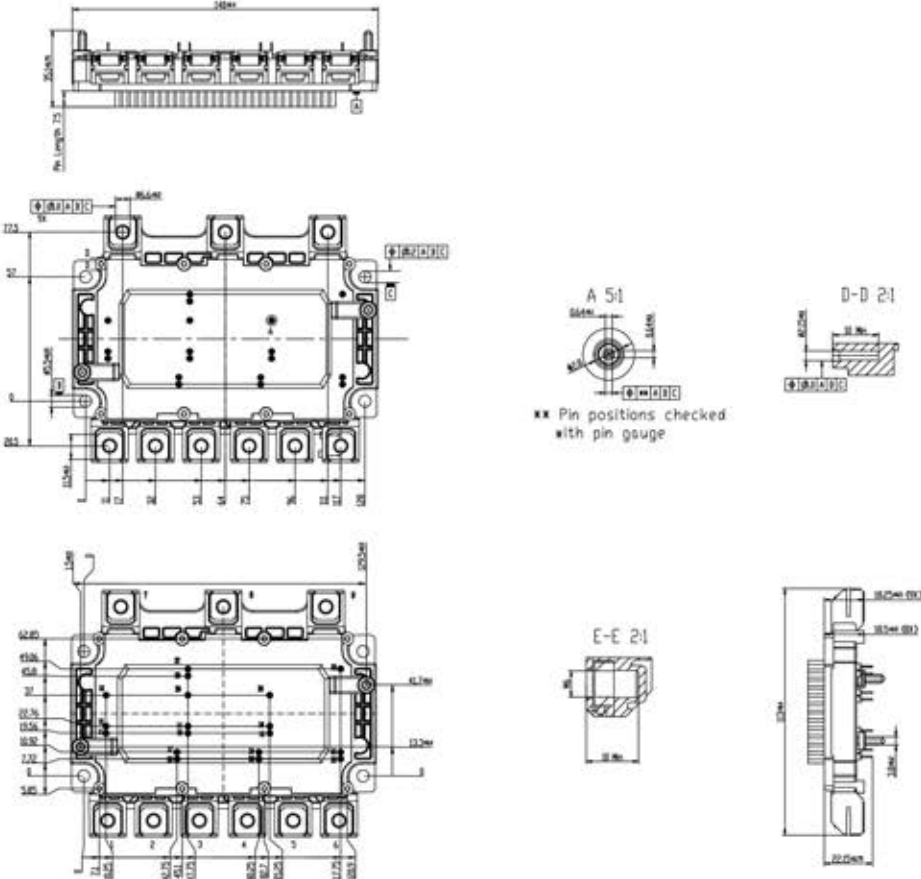
Automotive IGBT



P7.1

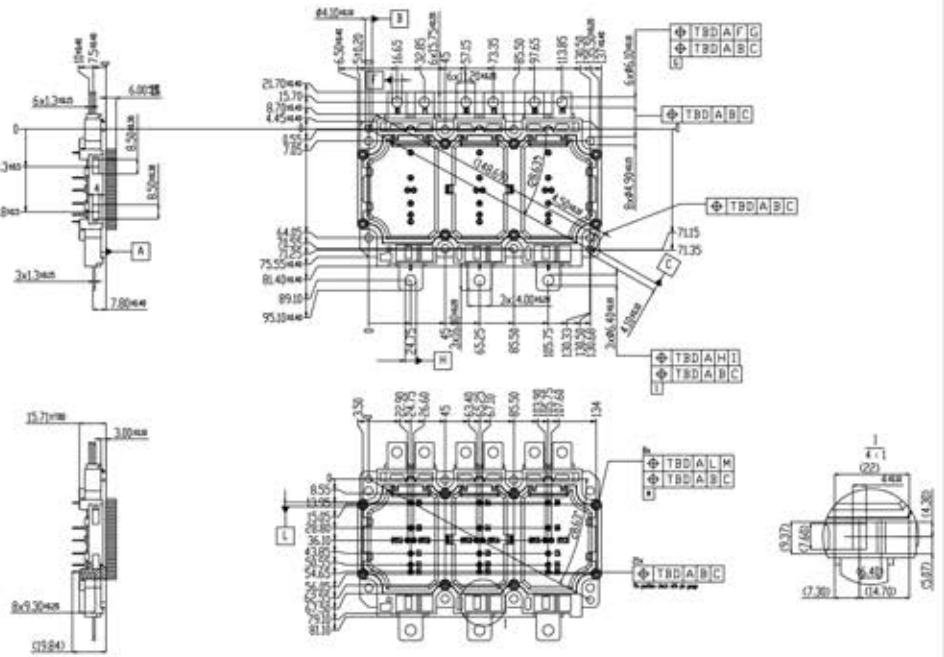
Package Outlines, mm

Automotive IGBT



P7.0

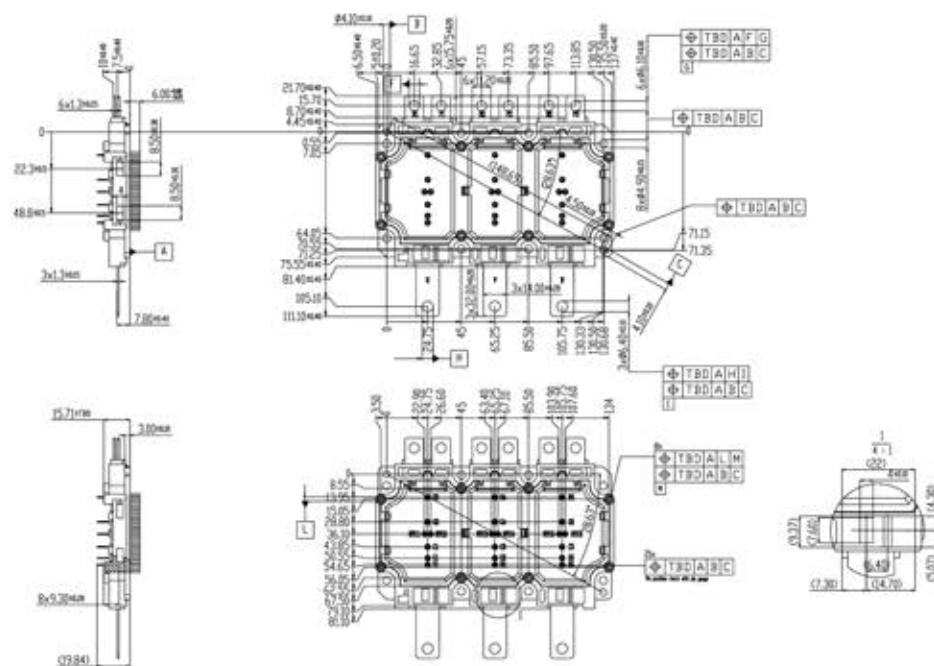
Automotive IGBT



P8.0

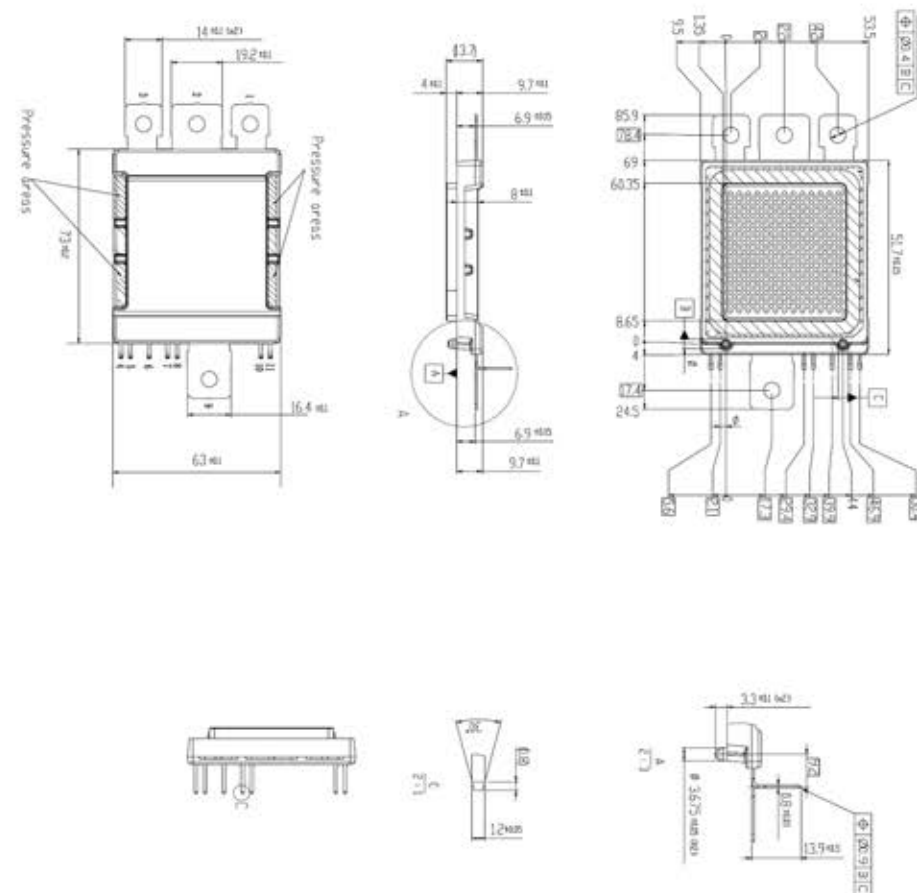
Package Outlines, mm

Automotive IGBT



P8.1

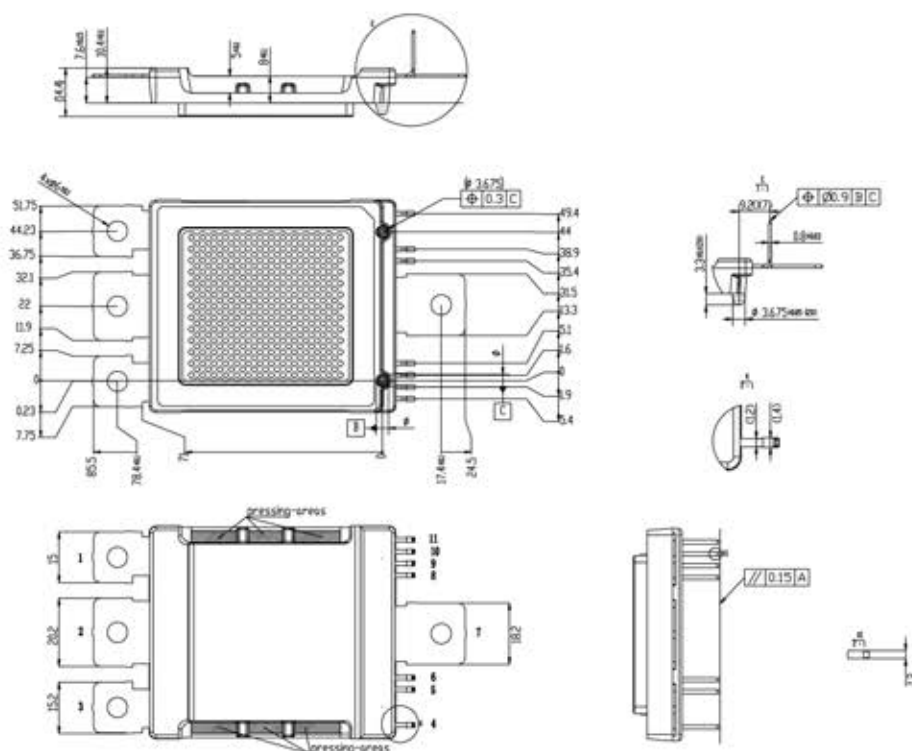
Automotive IGBT



N5.0

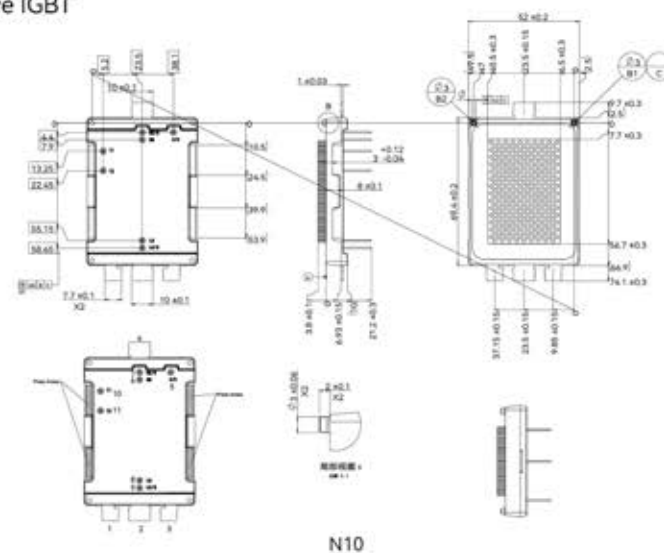
Package Outlines, mm

Automotive IGBT



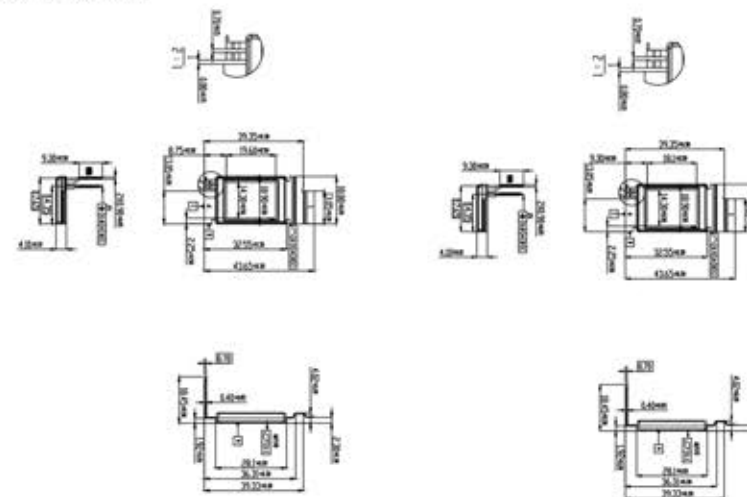
N 6.2

Automotive IGBT



N10

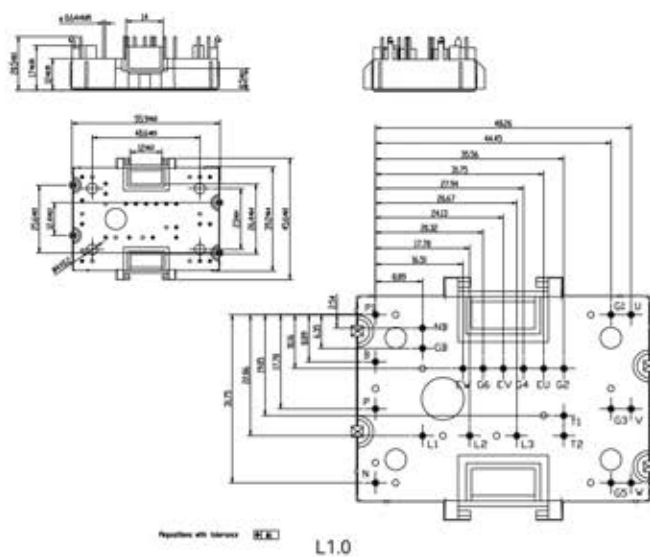
Automotive IGBT



T6.0/T6.1

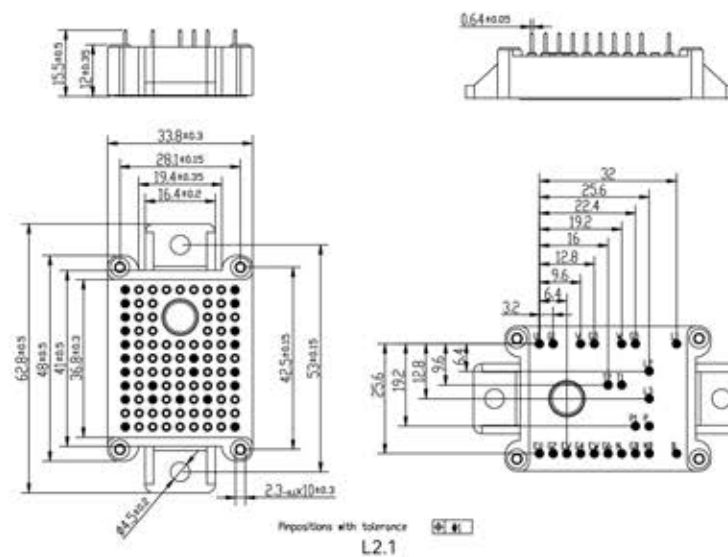
Package Outlines, mm

PIM



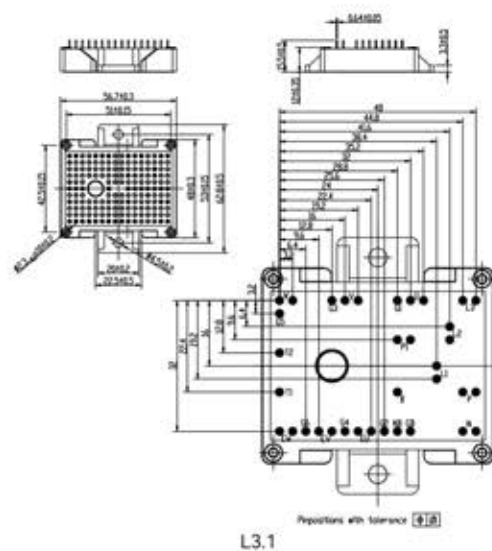
L1.0

PIM



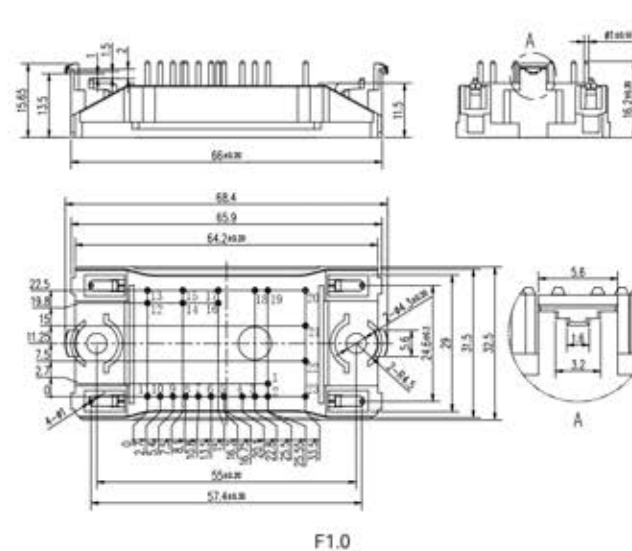
L2.1

PIM



L3.1

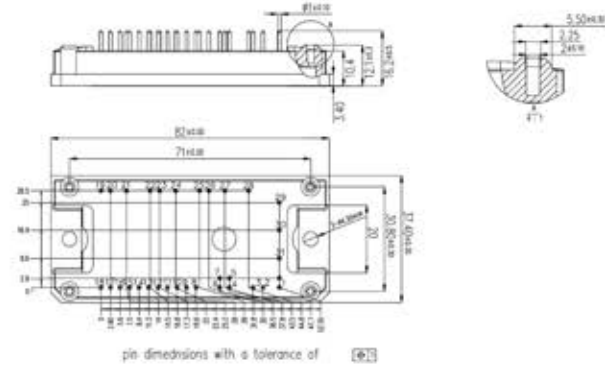
PIM



F1.0

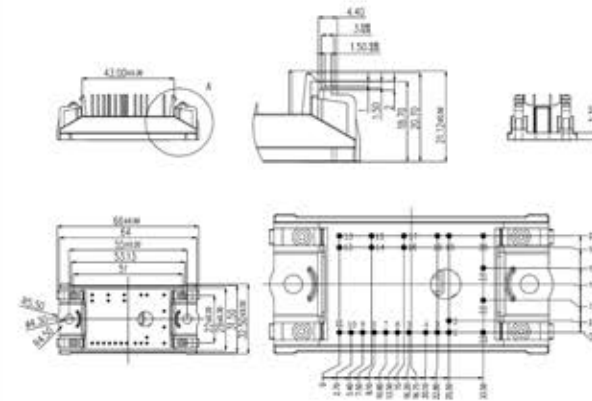
Package Outlines, mm

PIM



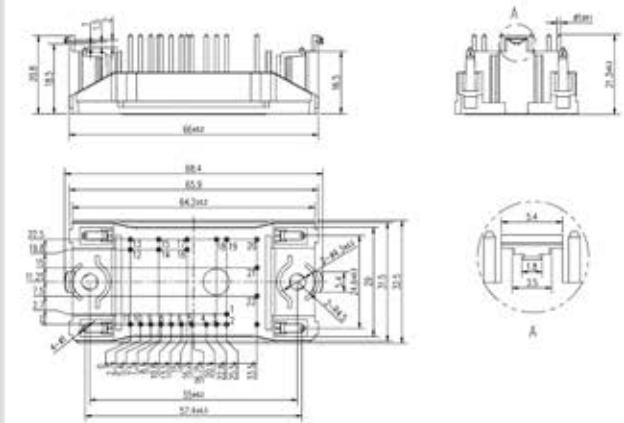
F2.0

PIM



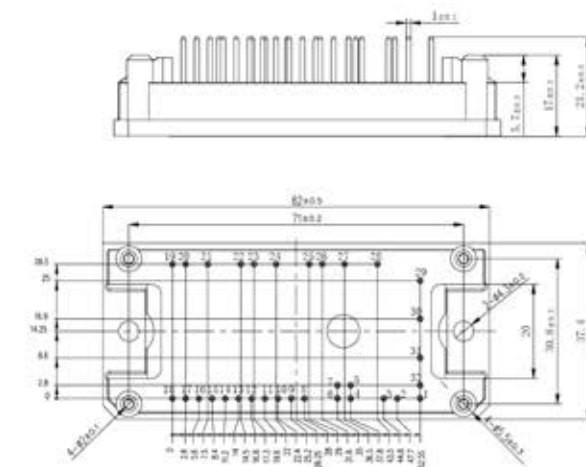
F3.0

PIM



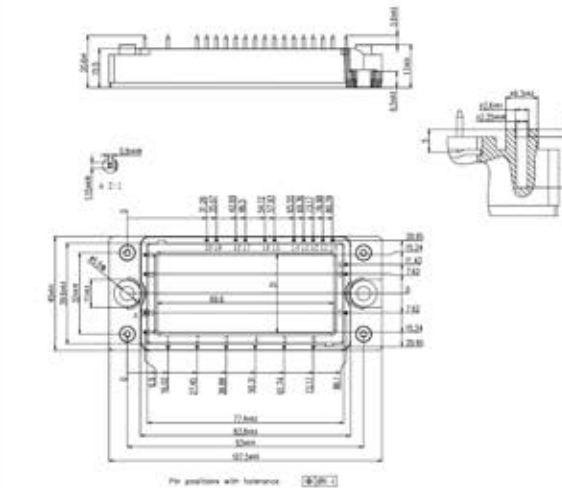
F4.0

PIM



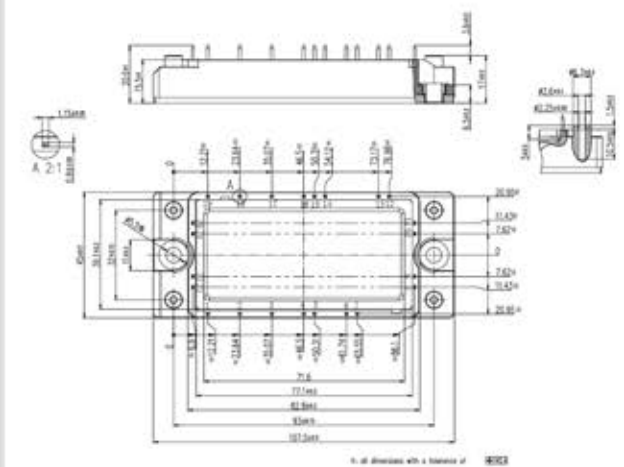
F5.0

PIM



C5.0

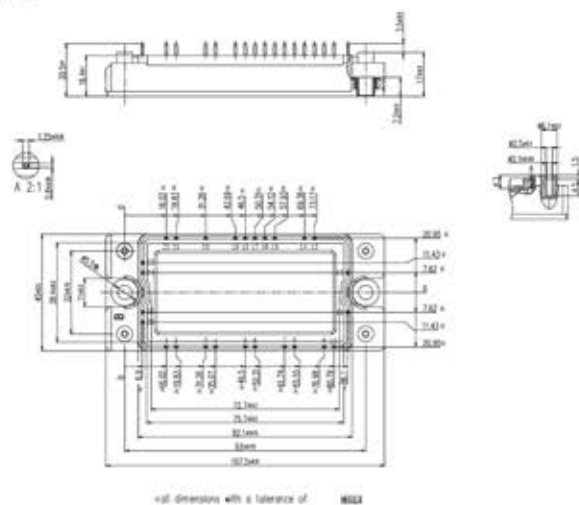
PIM



C5.3

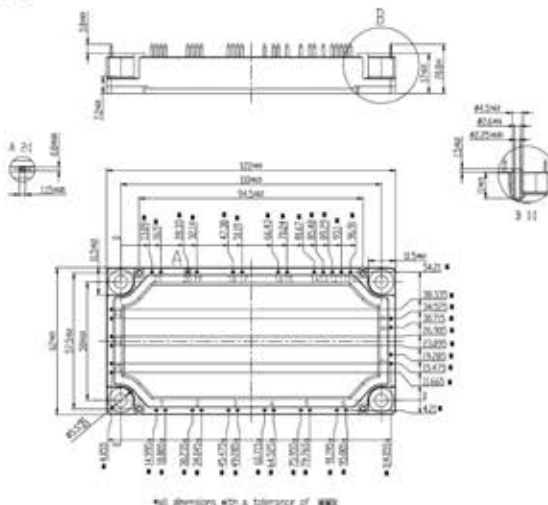
Package Outlines, mm

PIM



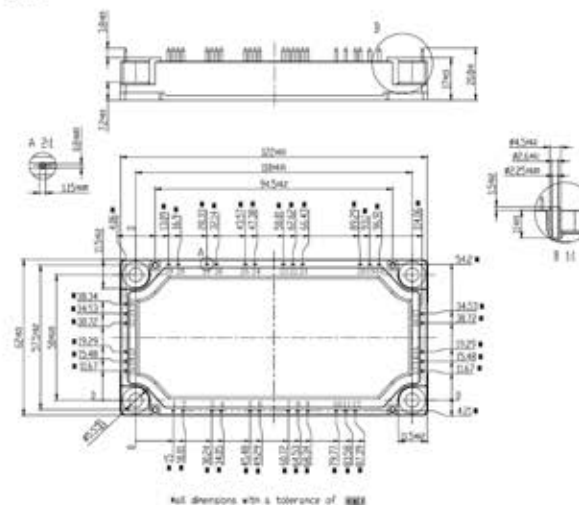
C5.5

PIM



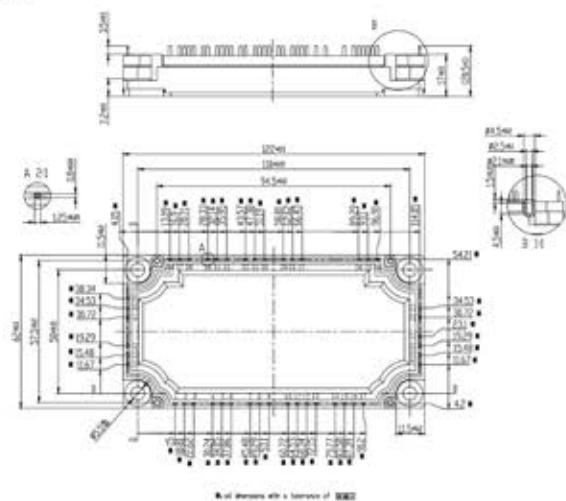
C6.0

PIM



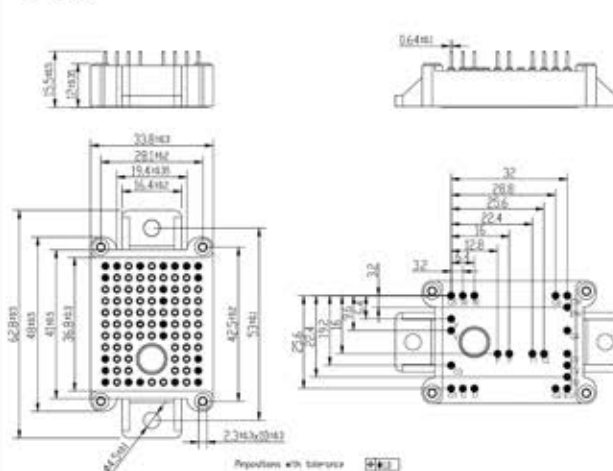
C6.3

PIM



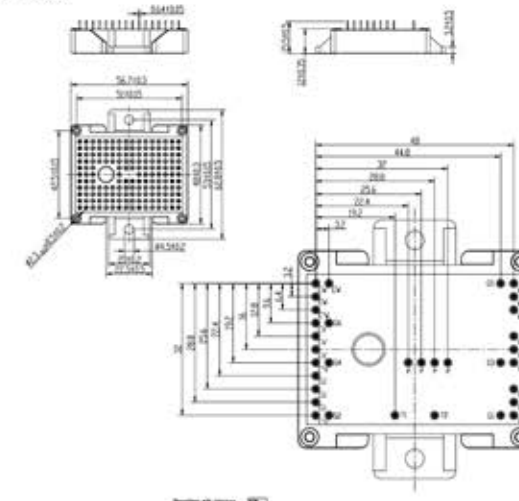
C6.6

6-Pack



L2.0

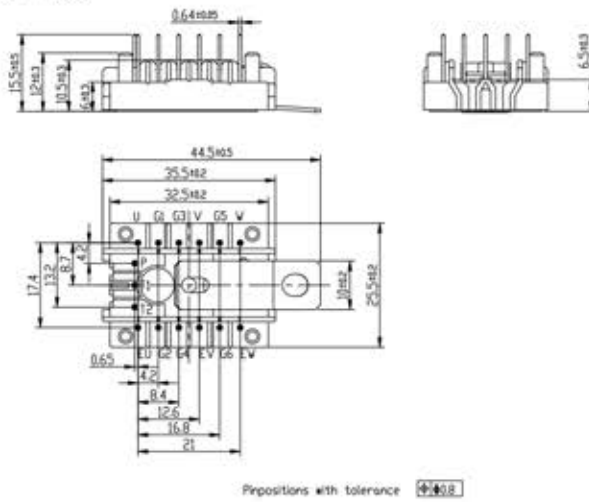
6-Pack



L3.2

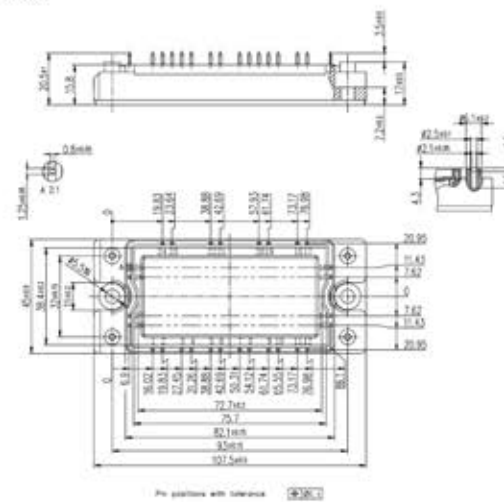
Package Outlines, mm

6-Pack



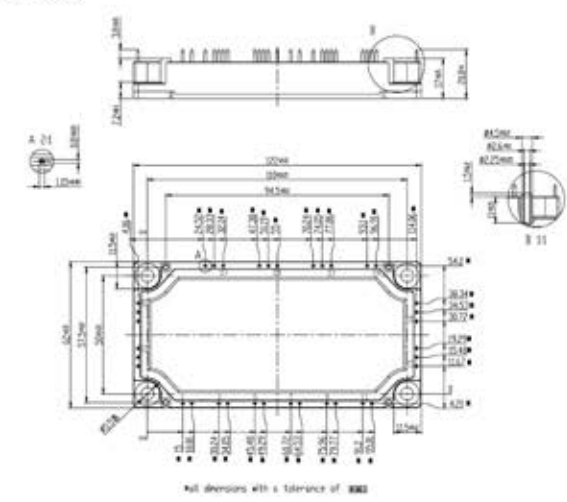
L4.0

6-Pack



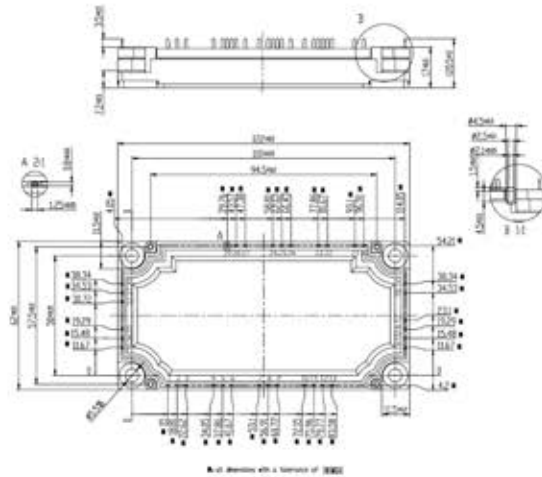
C5.2

6-Pack



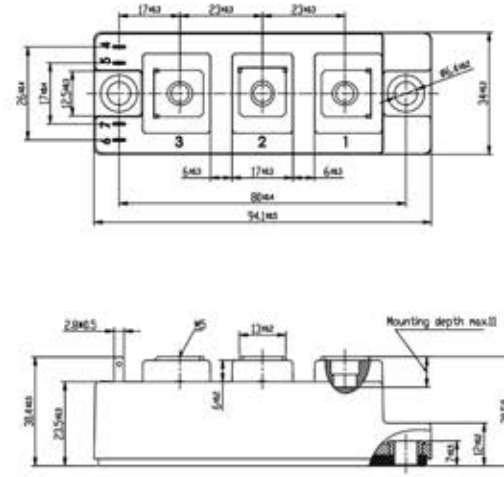
C6.2

All In One



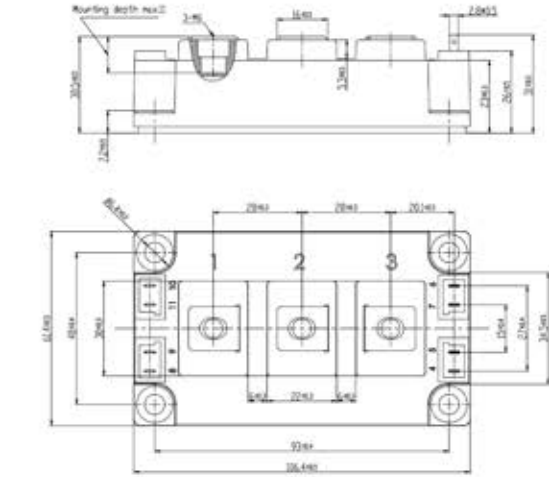
C6.12

2-Pack



C1.0

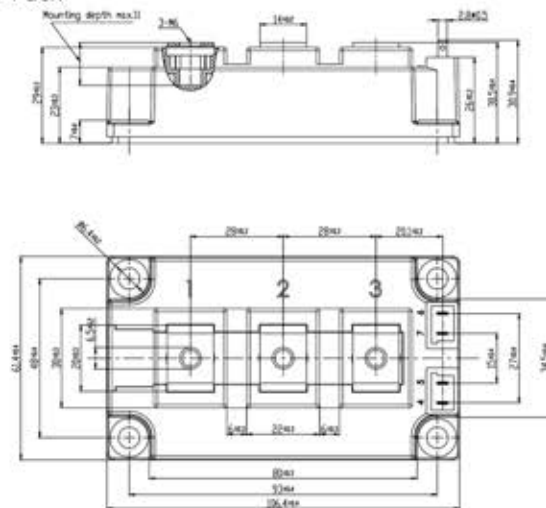
2-Pack



C2.0

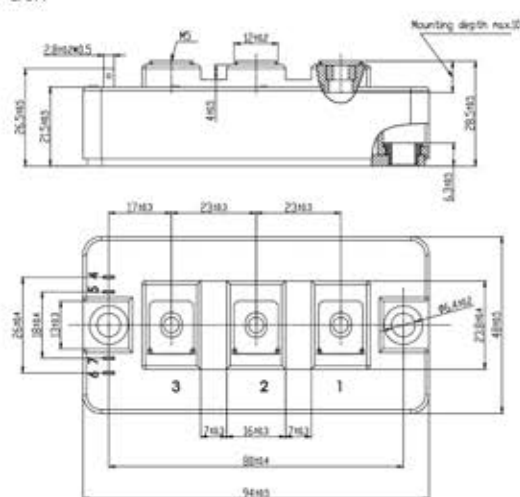
Package Outlines, mm

2-Pack



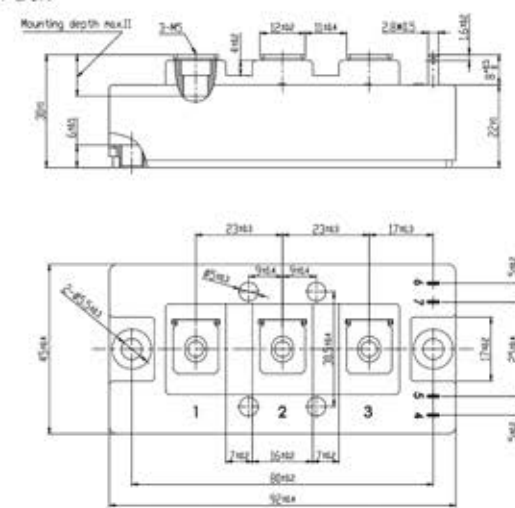
C2.5

2-Pack



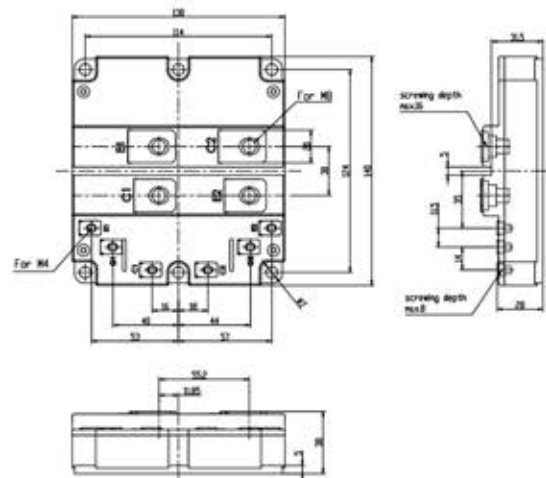
C8.0

2-Pack



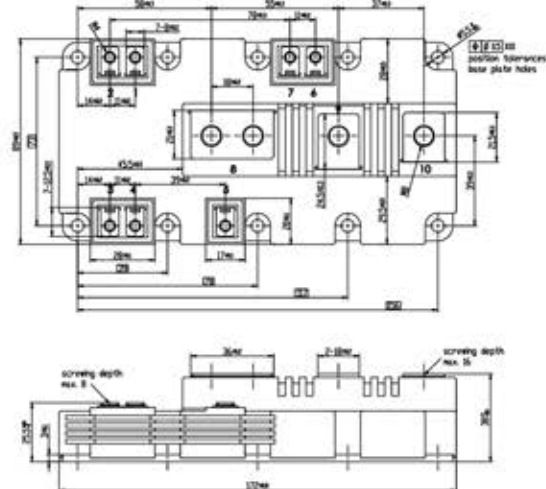
C8.1

2-Pack



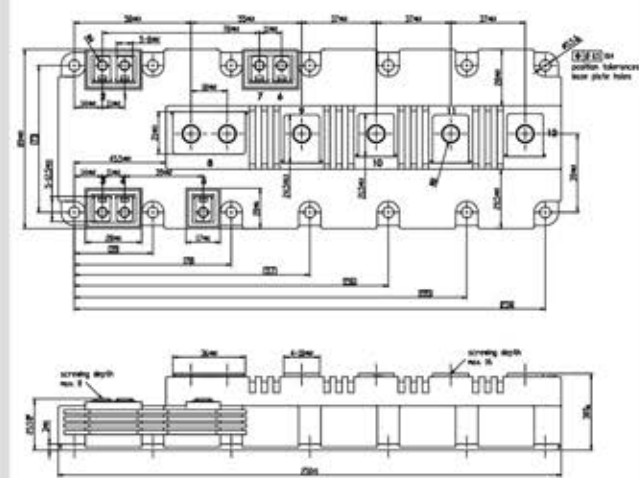
C3.1

2-Pack



P1.0

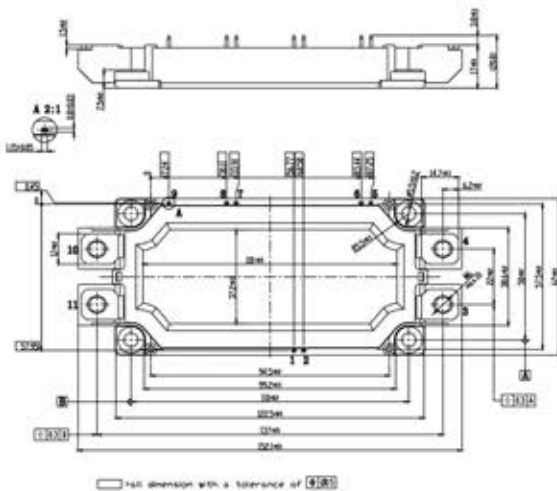
2-Pack



P2.0

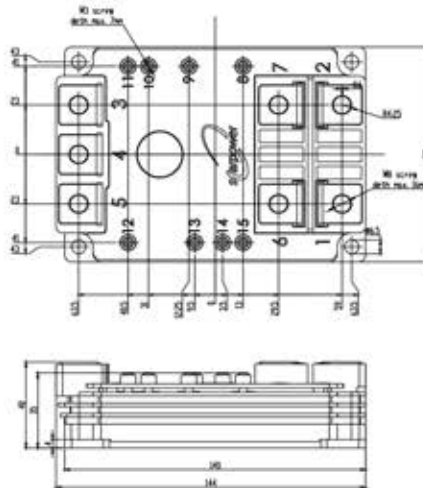
Package Outlines, mm

2-Pack



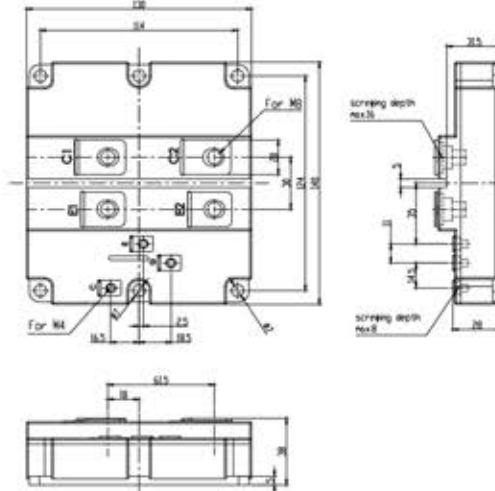
C6.1

2-Pack



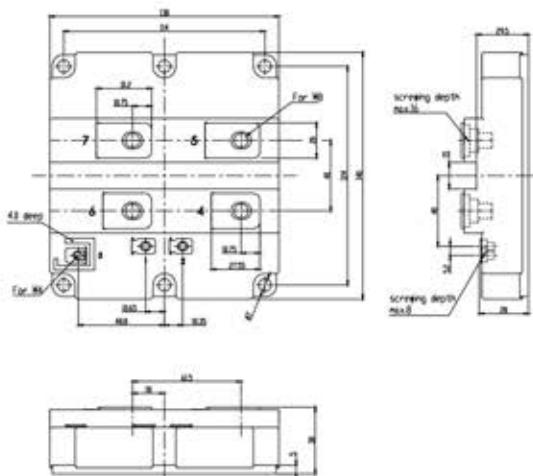
V6.0

1-Pack



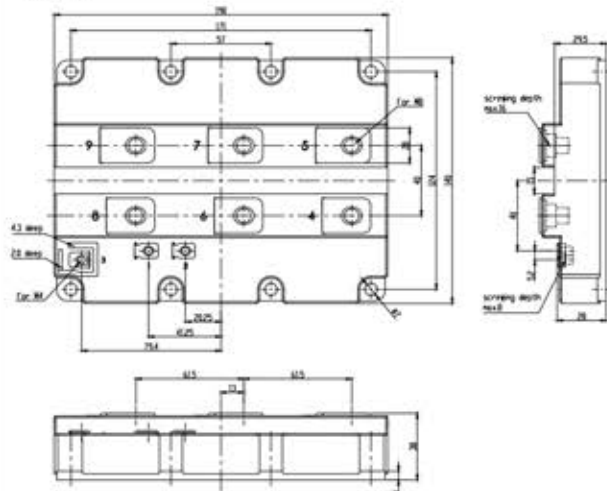
C3.0

1-Pack



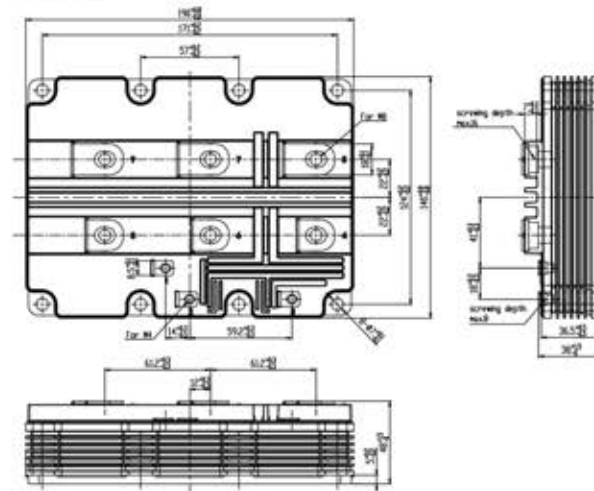
C3.2

1-Pack



C4.0

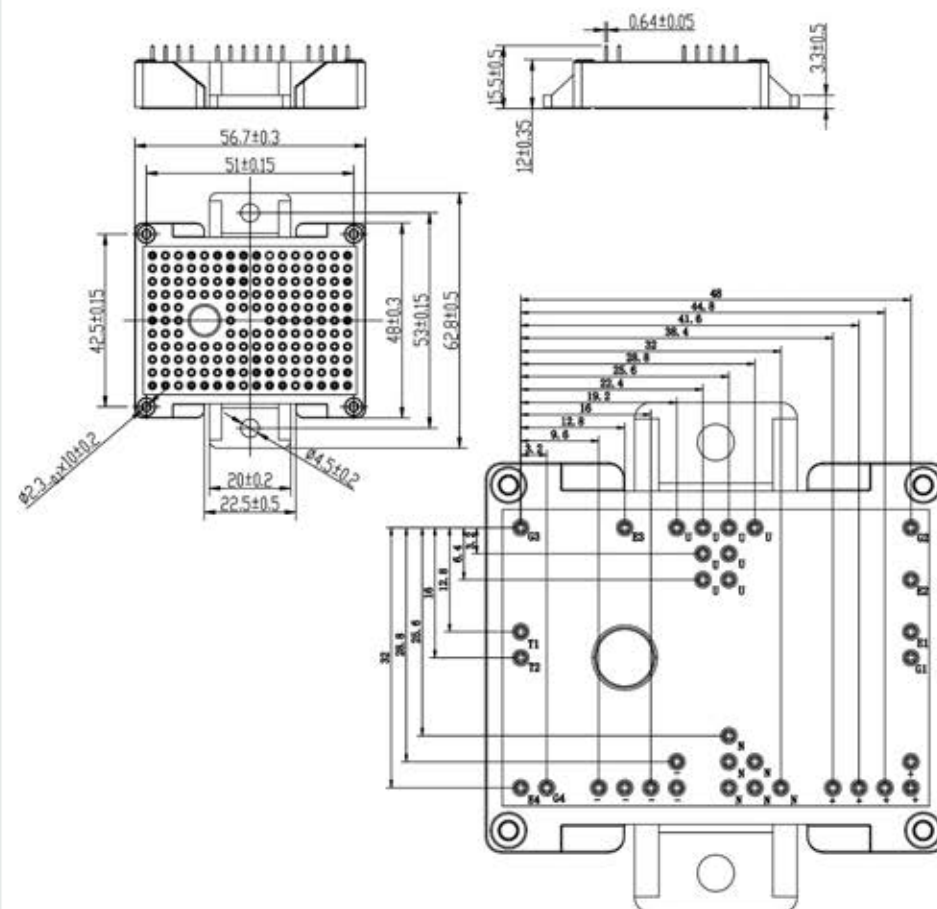
1-Pack



V4.0

Package Outlines, mm

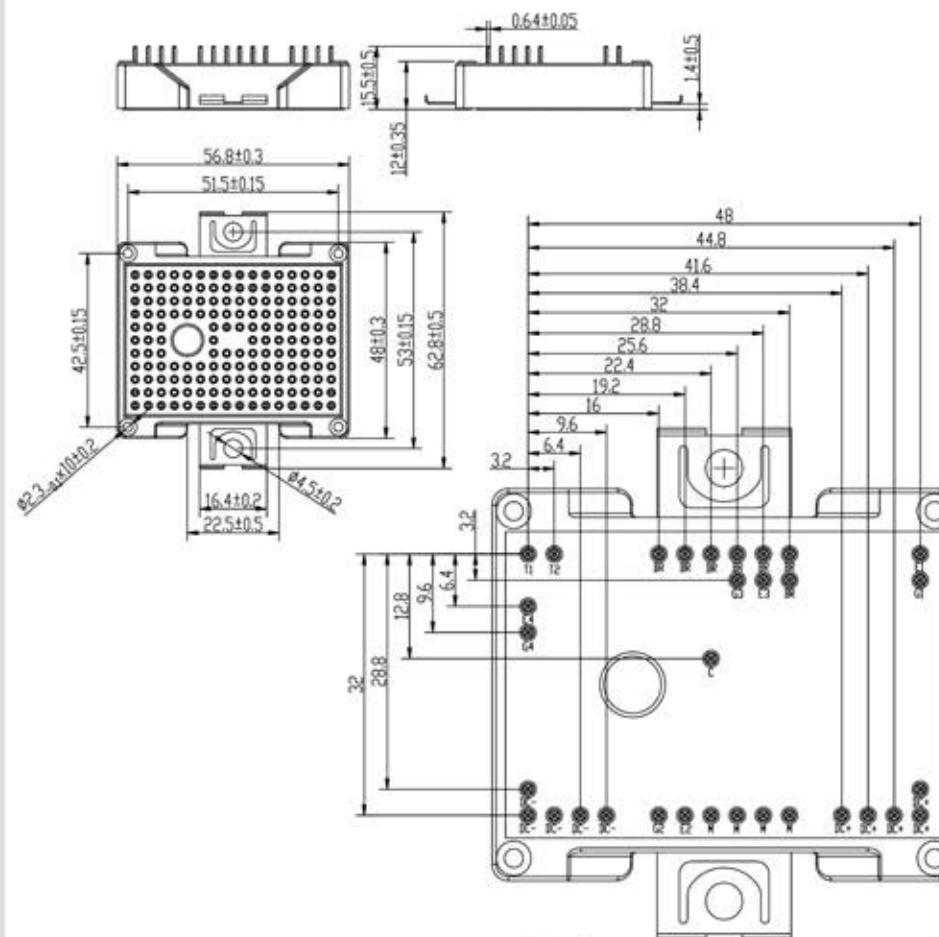
3-Level



Pinpositions with tolerance $\oplus \ominus$

L3.3

3-Level

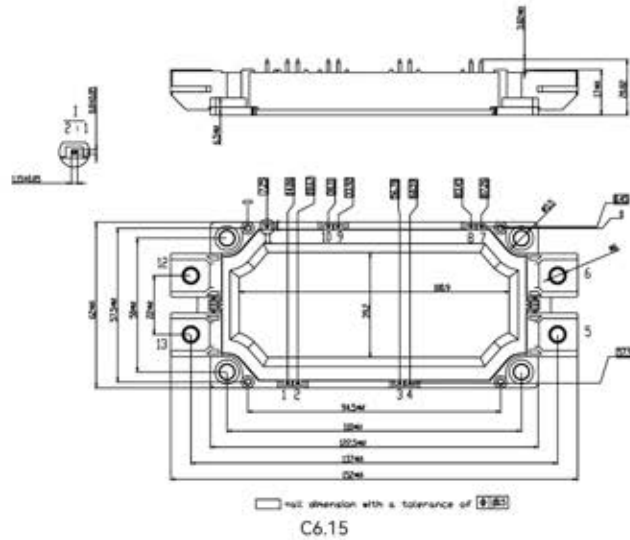


Pinpositions with tolerance $\oplus \ominus$

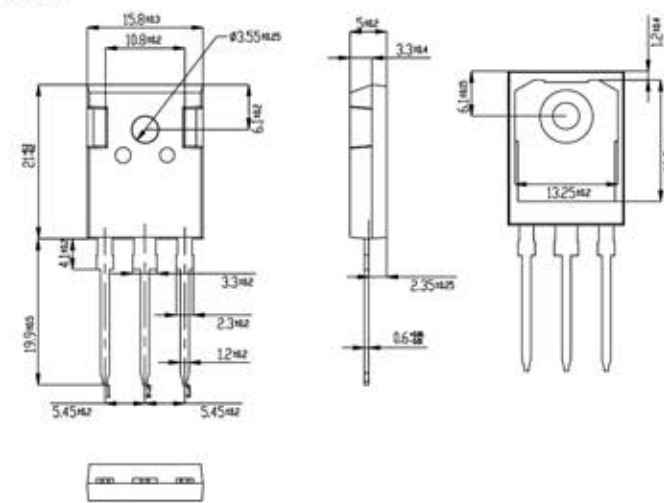
L3.4

Package Outlines, mm

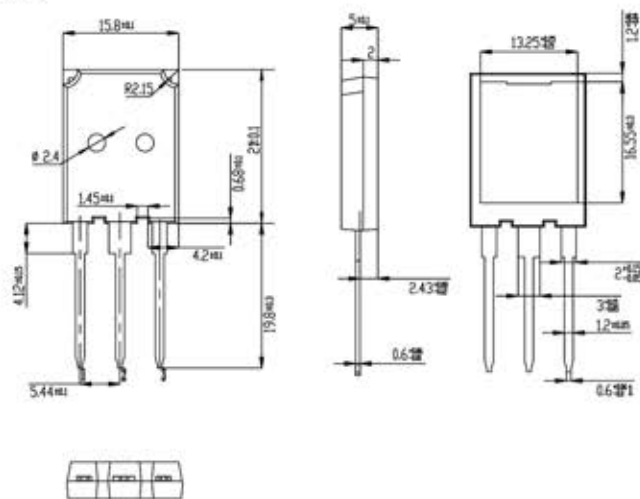
3-Level



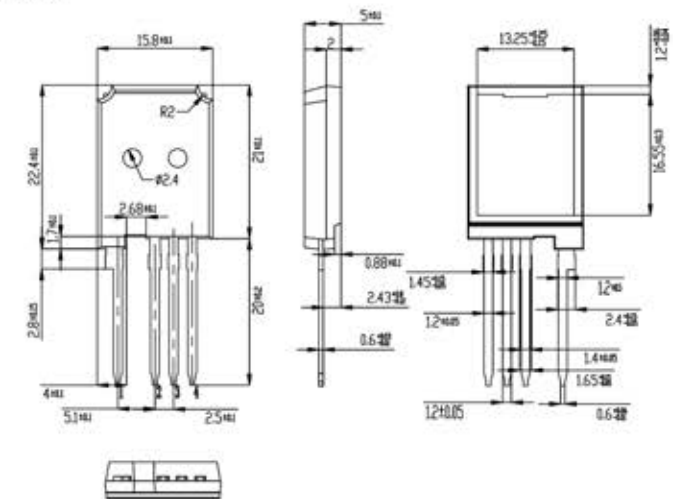
Discrete Device



Discrete Device

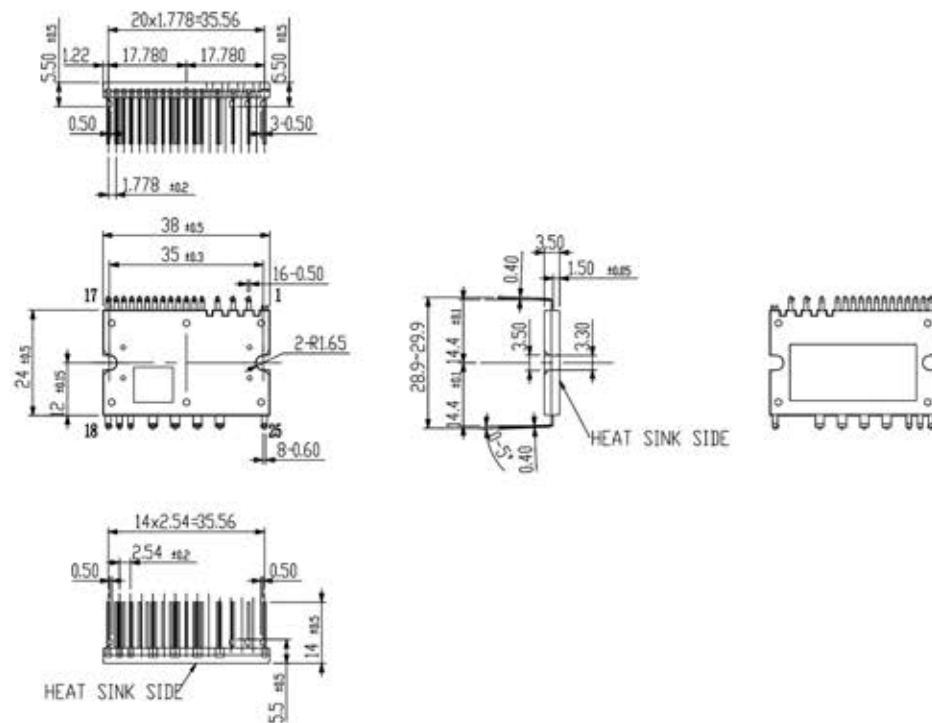


Discrete Device



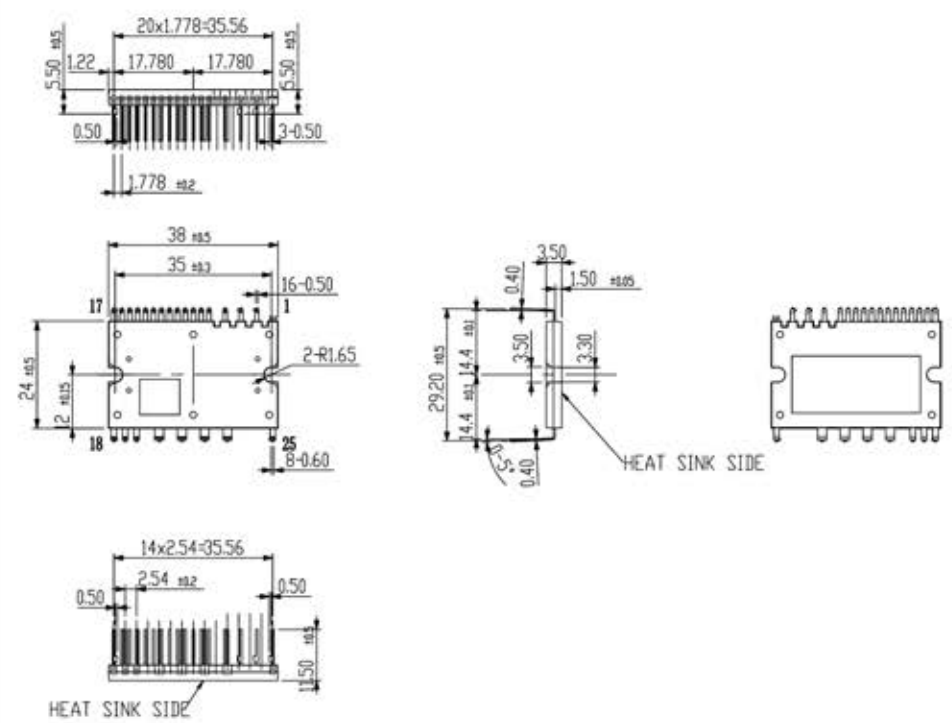
Package Outlines, mm

IPM



U1.0

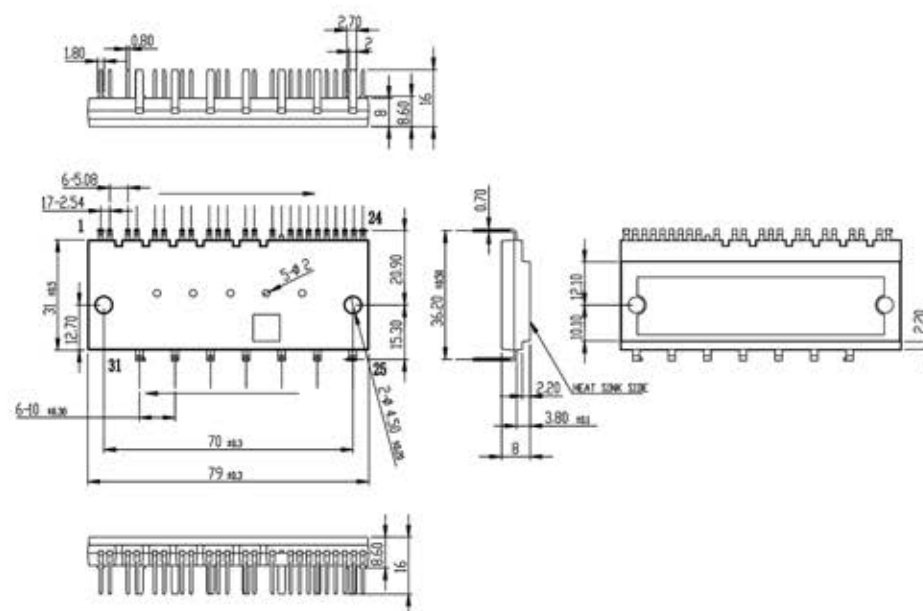
IPM



U1.1

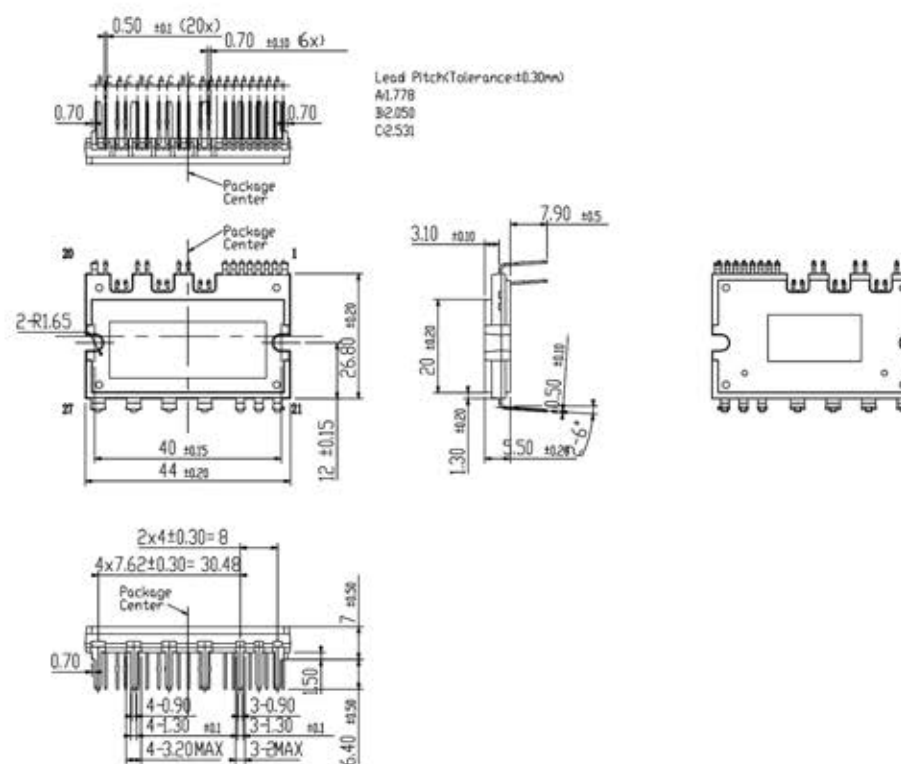
Package Outlines, mm

IPM



U2.0

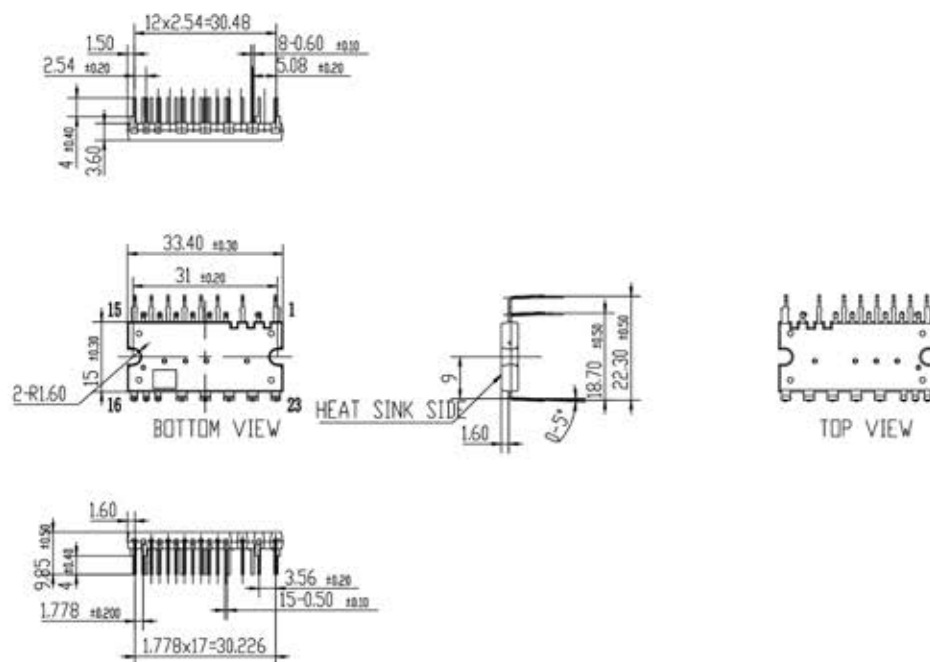
IPM



U3.0

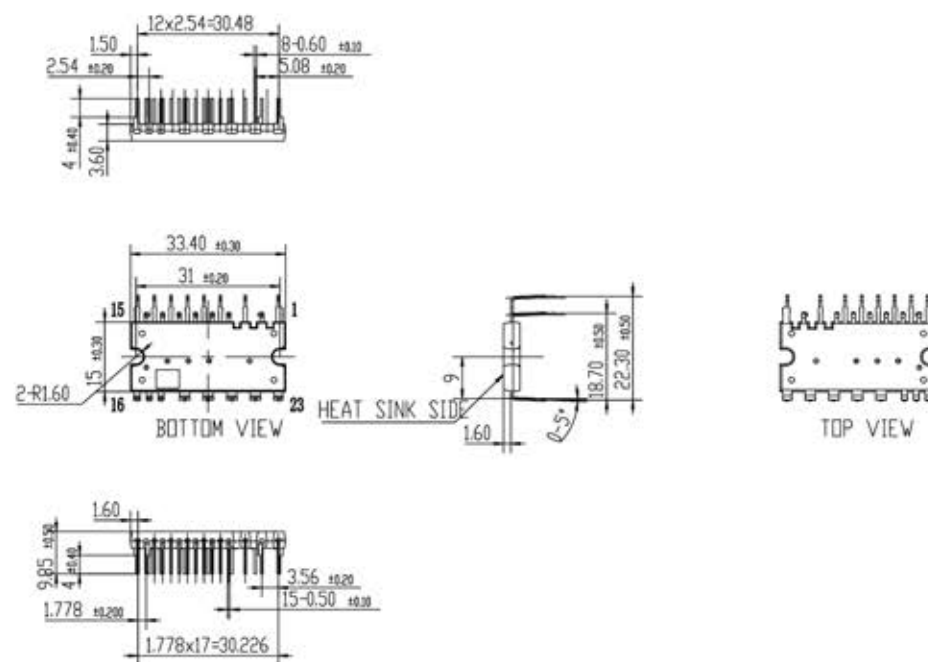
Package Outlines, mm

IPM



U4.0

IPM



U5.0



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