Features :

- Isolated mounting base 3000V~
- Pressure contact technology with Increased power cycling capability
- Space and weight saving

Typical Applications :

- Various rectifiers
- DC supply for PWM inverter

V_{RSM}	V_{RRM}	品名
700V	600V	Mx200D60
900V	800V	Mx200D80
1100V	1000V	Mx200D100
1300V	1200V	Mx200D120
1500V	1400V	Mx200D140
1700V	1600V	Mx200D160
1900V	1800V	Mx200D180

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T_j(°C)	VALUE			UNIT
				Min	Type	Max	
$I_{F(AV)}$	Mean forward current	180° half sine wave 50Hz Single side cooled, T_C=100°C	150			200	A
$I_{F(RMS)}$	RMS forward current					314	A
I_{RRM}	Repetitive peak current	at V_{RRM}	150			12	mA
I_{FSM}	Surge forward current	V_R=60%V_{RRM},t=10ms half sine,	150			7.5	kA
I^2t	I^2t for fusing coordination					281	10^3A^2s
V_{FO}	Threshold voltage		150			0.75	V
r_F	Forward slope resistance					0.88	mΩ
V_{FM}	Peak forward voltage	I_{FM}=600A	25			1.38	V
$R_{th(j-c)}$	Thermal resistance Junction to case	D.C. Single side cooled per chip				0.21	°C/W
$R_{th(c-h)}$	Thermal resistance case to heatsink	D.C. Single side cooled per chip				0.08	°C/W
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min,I_{iso}:1mA(MAX)		3000			V
F_m	Terminal connection torque(M6)			4.5		6.0	N·m
	Mounting torque(M6)			4.5		6.0	N·m
T_{vj}	Junction temperature			-40		150	°C
T_{stg}	Stored temperature			-40		125	°C
W_t	Weight				320		g
Outline	M02						

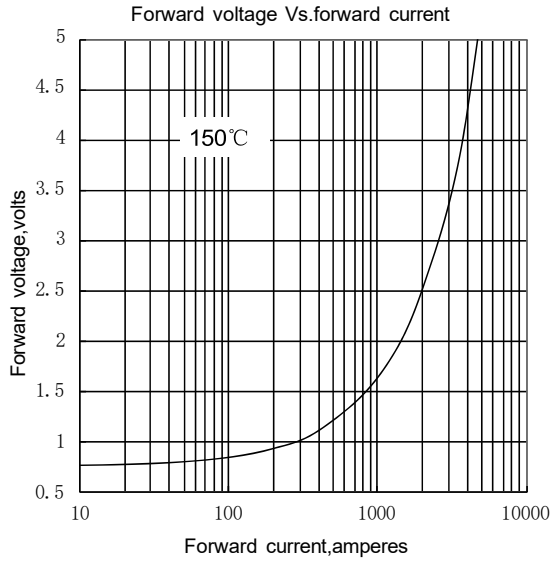


Fig.1

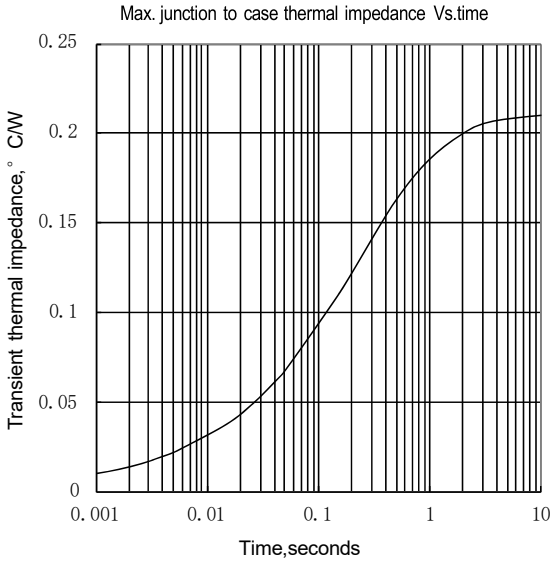


Fig.2

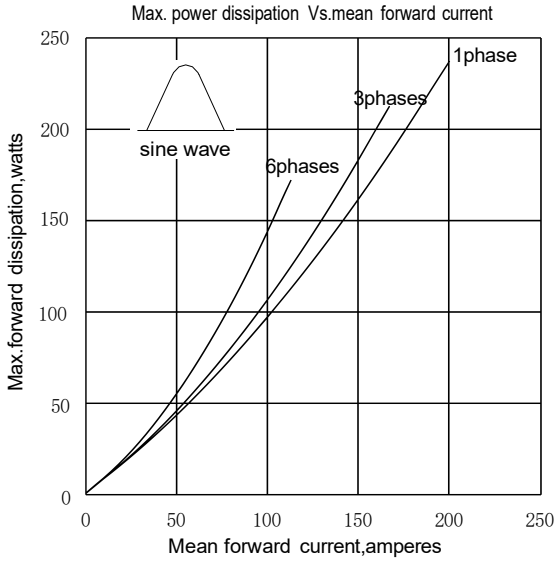


Fig.3

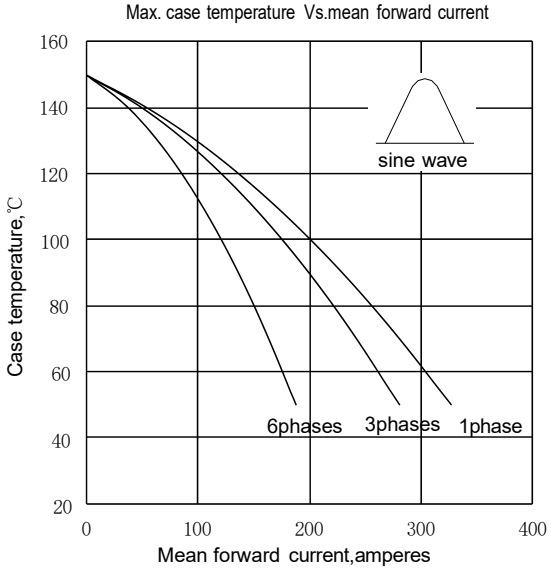


Fig.4

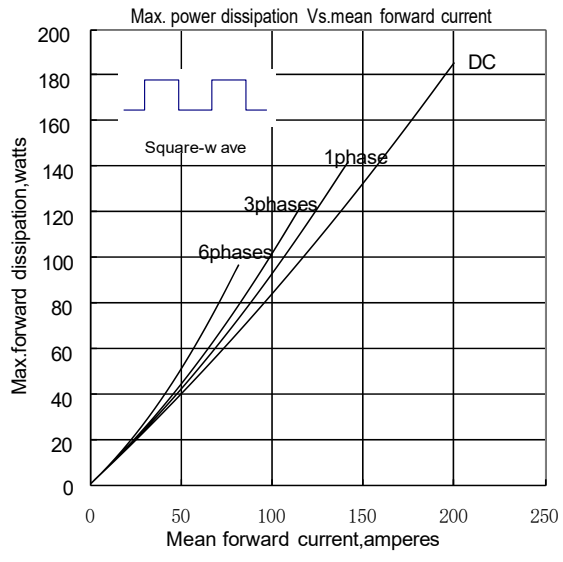


Fig.5

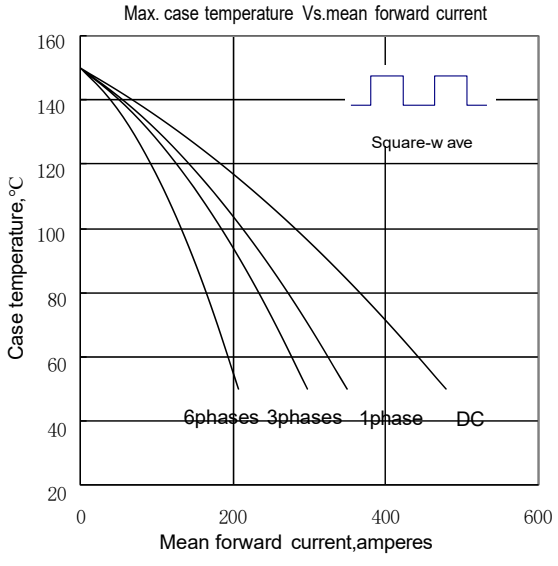


Fig.6

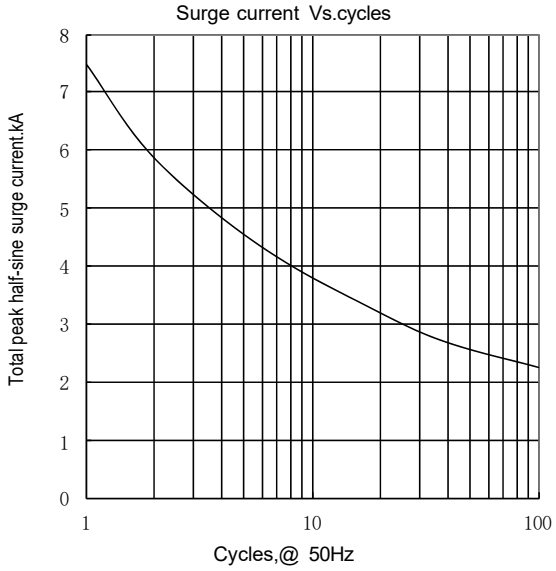
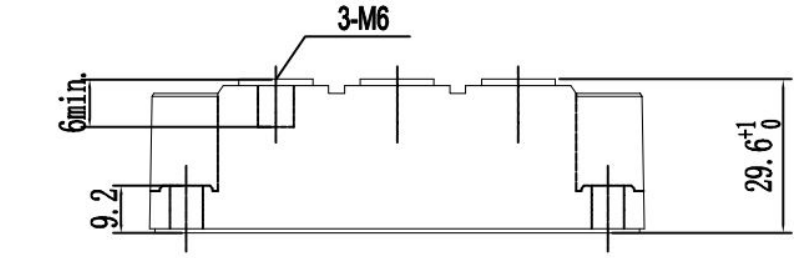
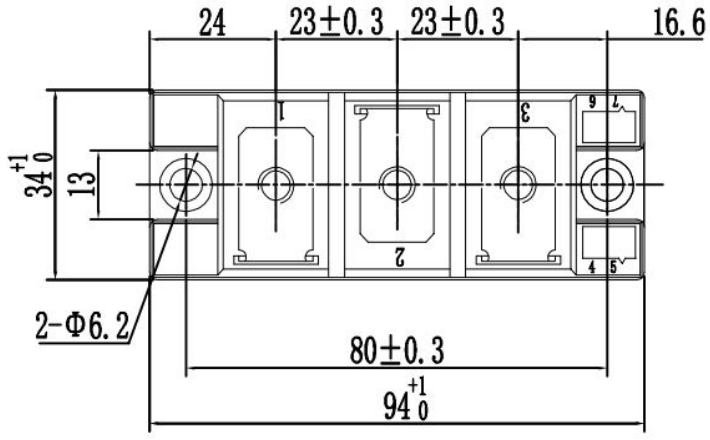
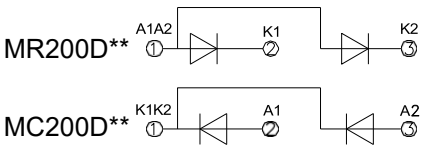


Fig.7

Outline:







Unmarked dimensional tolerance：±0.5mm