

Features:

- Isolated mounting base 4000V~
- Pressure contact technology with Increased power cycling capability
- Space and weight saving

Typical Applications

- Various rectifiers
- DC supply for PWM inverter

V _{DSM} , V _{RSM}	V _{DRM} , V _{RRM}	品名
2700V	2600V	Mx200D260C
2900V	2800V	Mx200D280C
3100V	3000V	Mx200D300C
3300V	3200V	Mx200D320C
3500V	3400V	Mx200D340C
3700V	3600V	Mx200D360C

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T _J (°C)	VALUE			UNIT
				Min.	Typ.	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			25	mA
I _{FSM}	Surge forward current	V _R =60%V _{RRM} , t=10ms half sine	150			8	kA
I ² t	I ² t for fusing coordination					320	10 ³ A ² s
V _{FO}	Threshold voltage		150			0.95	V
r _F	Forward slope resistance					1.07	mΩ
V _{FM}	Peak forward voltage	I _{FM} =600A	25			1.90	V
R _{th(j-c)}	Thermal resistance Junction to case	D.C. Single side cooled per chip				0.13	°C/W
R _{th(c-h)}	Thermal resistance case to heatsink	D.C. Single side cooled per chip				0.04	°C/W
V _{iso}	Isolation voltage	50Hz, R.M.S, t=1min, I _{iso} :1mA(MAX)		4000			V
F _m	Terminal connection torque(M8)			10.0		12.0	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				680		g
Outline	M03						

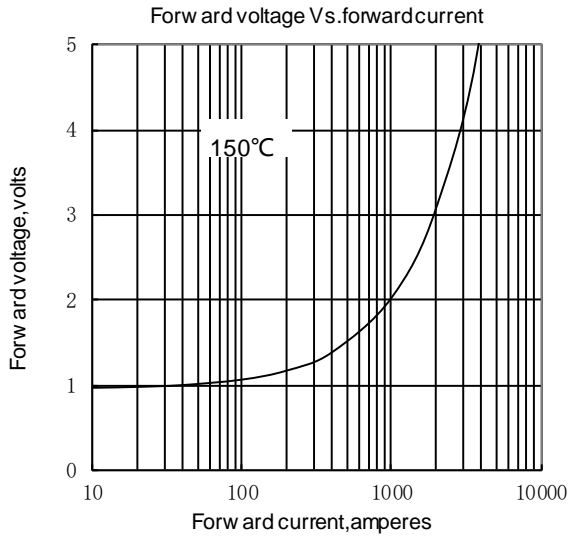


Fig.1

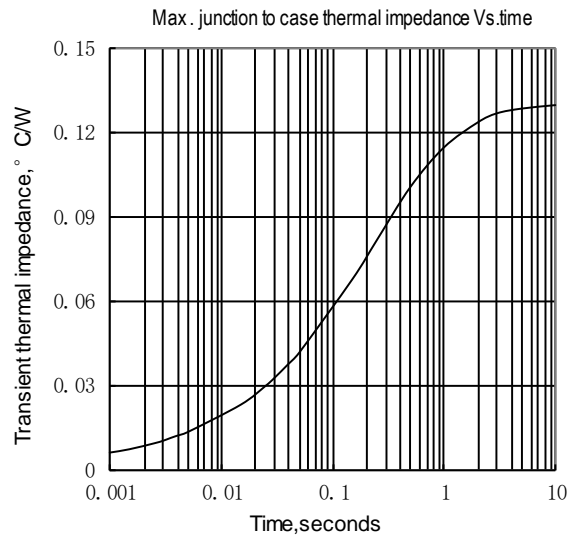


Fig.2

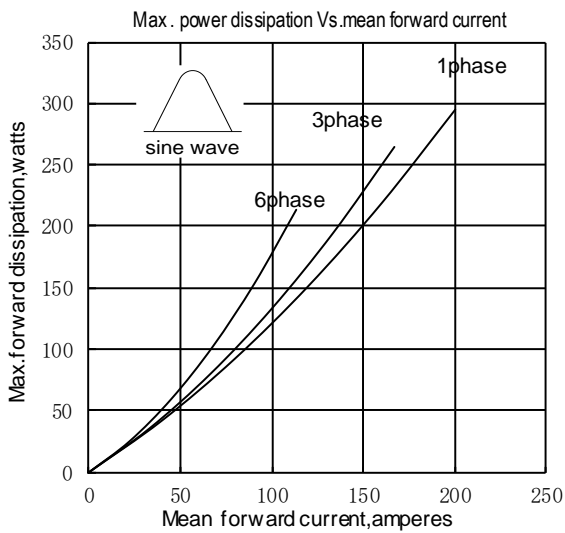


Fig.3

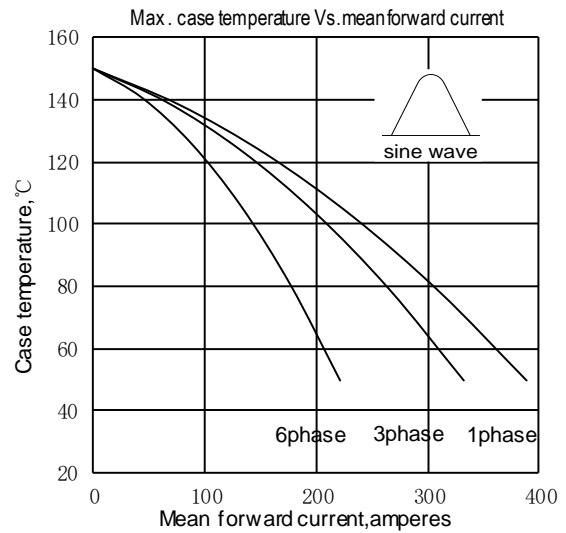


Fig.4

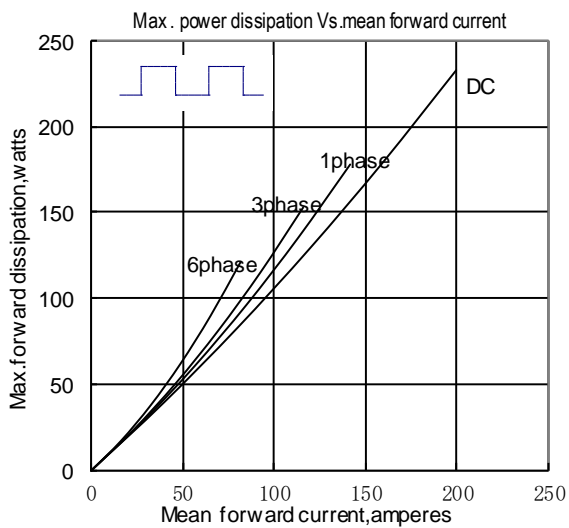


Fig.5

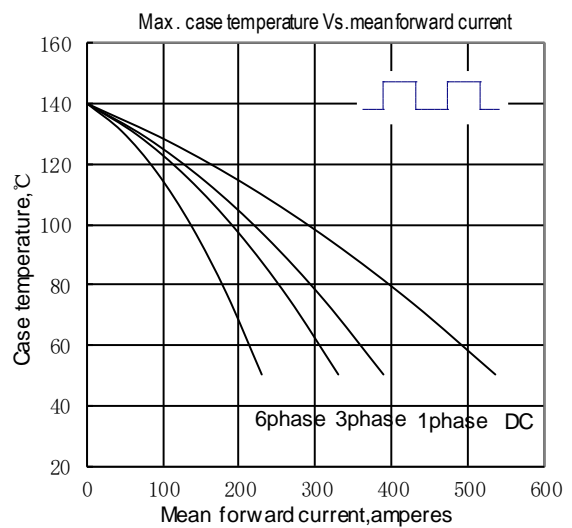


Fig.6

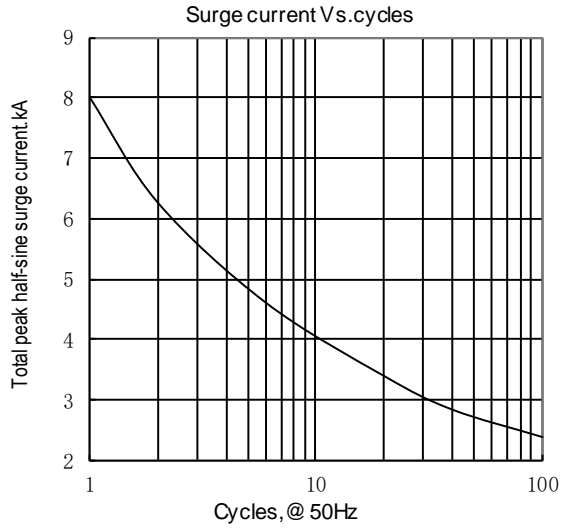
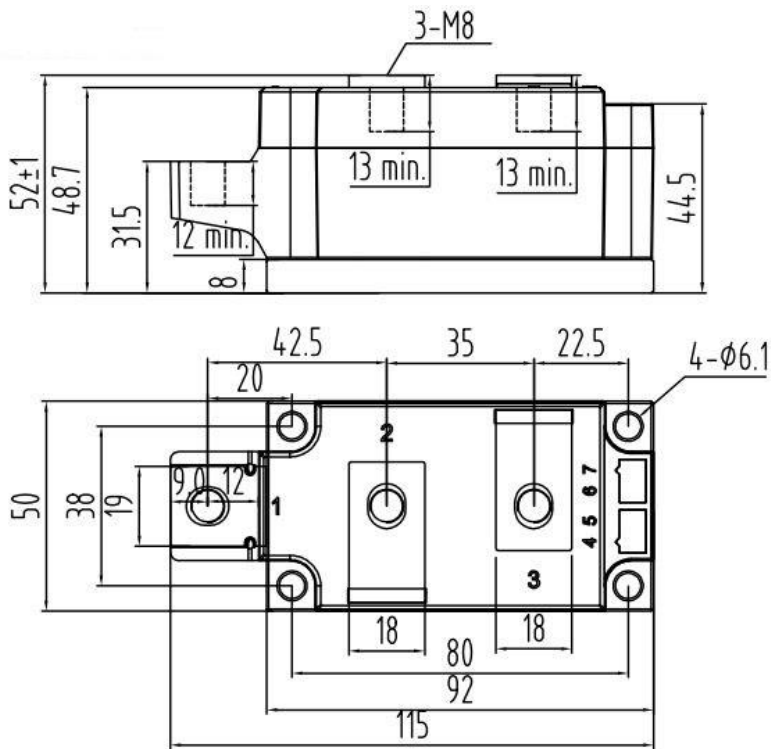
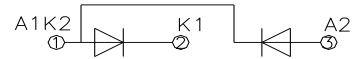


Fig.7

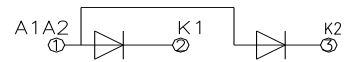


Unmarked dimensional tolerance : ±0.5mm

MD200D**C



MR200D**C



MC200D**C

