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	Mx600D260
3100V	3000V	Mx600D300
3700V	3600V	Mx600D360

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T_j(℃)	VALUE			UNIT
				Min.	Typ.	Max.	
$I_{F(AV)}$	Mean forward current	180° half sine wave 50Hz Single side cooled, T_C=100℃	150			600	A
$I_{F(RMS)}$	RMS forward current		150			942	A
I_{RRM}	Repetitive peak current	at V_{RRM}	150			50	mA
I_{FSM}	Surge forward current	10ms half sine wave V_R=0.6V_{RRM}	150			17.0	kA
I^2t	I^2t for fusing coordination					1445	A^2s*10^3
V_{FO}	Threshold voltage		150			0.95	V
r_F	Forward slope resistance					0.22	mΩ
V_{FM}	Peak forward voltage	I_{FM}=1800A	25			1.86	V
$R_{th(j-c)}$	Thermal resistance Junction to case	D.C. Single side cooled per chip				0.065	℃/W
$R_{th(c-h)}$	Thermal resistance case to heatsink	D.C. Single side cooled per chip				0.024	℃/W
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min,I_{iso}:1mA(max)		4000			V
F_m	Terminal connection torque(M12)				14.0		N·m
	Mounting torque(M8)				12.0		N·m
Tvj	Junction temperature			-40		150	℃
T_{stg}	Stored temperature			-40		125	℃
W_t	Weight				3240		g
Outline	M07						

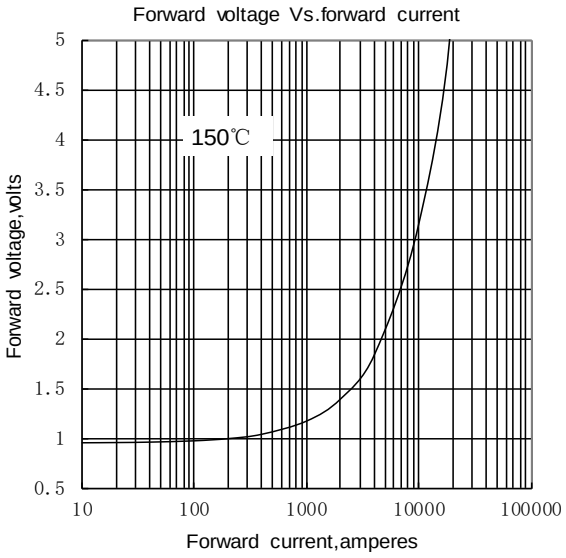


Fig.1

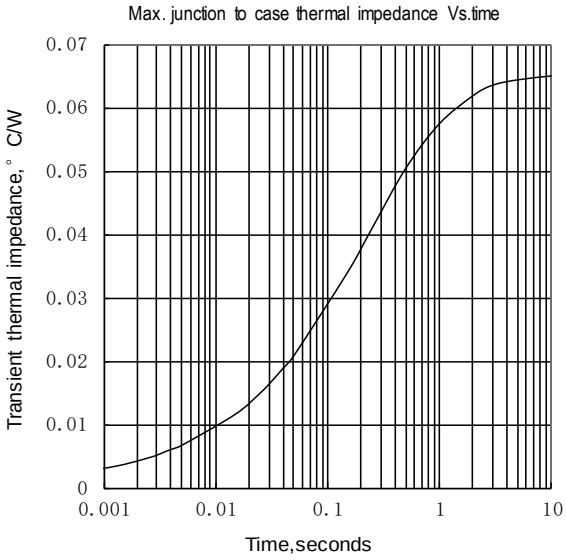


Fig.2

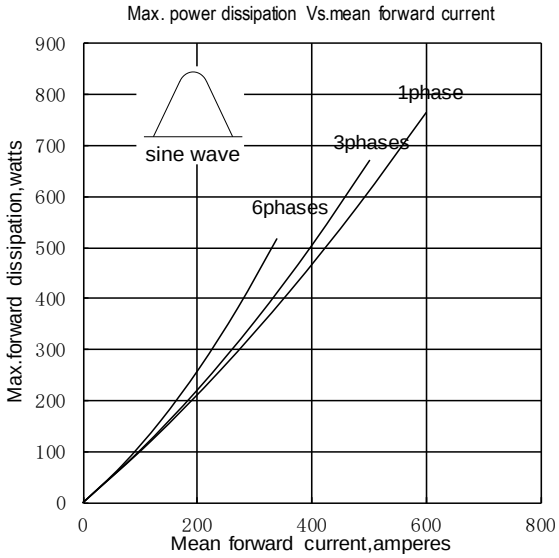


Fig.3

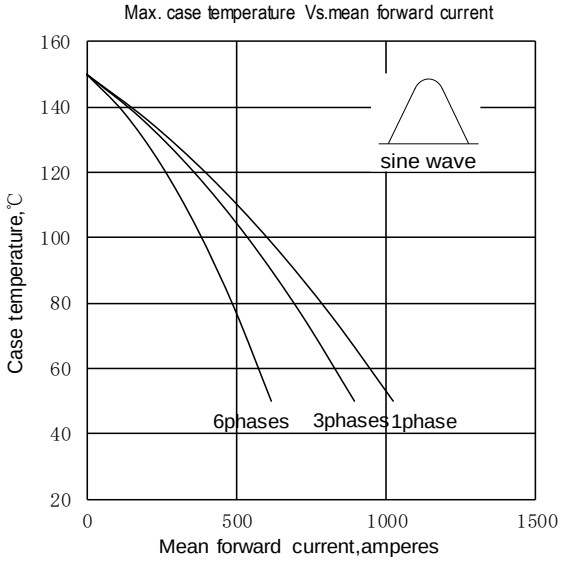


Fig.4

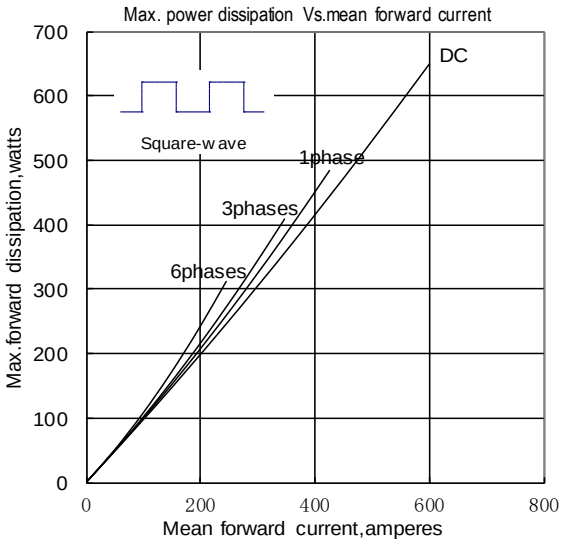


Fig.5

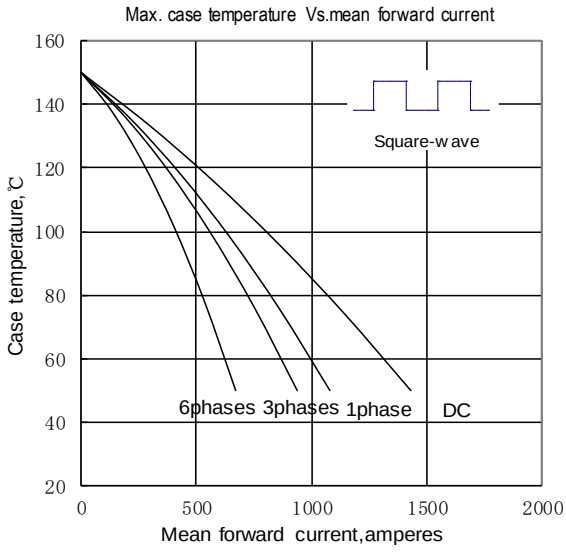


Fig.6

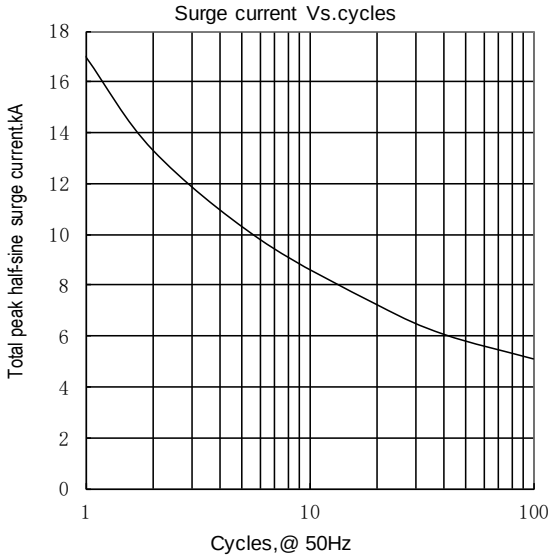
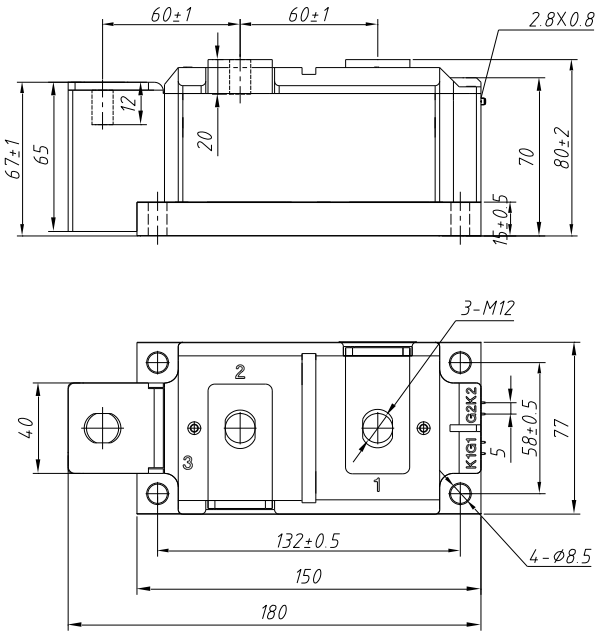
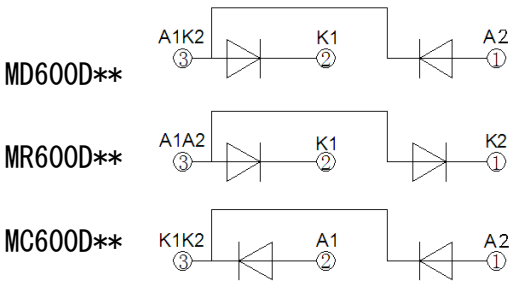


Fig.7





Unmarked dimensional tolerance：±0.5mm