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_{RRM}	品名
2000V	Mx1200D200W
2200V	Mx1200D220W
2500V	Mx1200D250W

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=60°C	150			1200	A
$I_{F(RMS)}$	RMS forward current					1884	A
I_{RRM}	Repetitive peak current	at V_{RRM}	150			50	mA
I_{FSM}	Surge forward current	V_R=60%V_{RRM},t=10ms half sine,	150			24	kA
I^2t	I^2t for fusing coordination					2880	10^3A^2s
V_{FO}	Threshold voltage		150			0.88	V
r_F	Forward slope resistance					0.18	mΩ
V_{FM}	Peak forward voltage	I_{FM}=3000A	25			1.56	V
$R_{th(j-c)}$	Thermal resistance Junction to case	D.C. Single side cooled per chip				0.052	°C/W
$R_{th(c-h)}$	Thermal resistance case to heatsink	D.C. Single side cooled per chip				0.022	°C/W
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min,I_{iso}:1mA(MAX)		3000			V
F_m	Terminal connection torque(M12)			12		16	N·m
	Mounting torque(M8)			10		12	N·m
T_{vj}	Junction temperature			-40		150	°C
T_{stg}	Stored temperature			-40		125	°C
W_t	Weight				3230		g
Outline	M15						

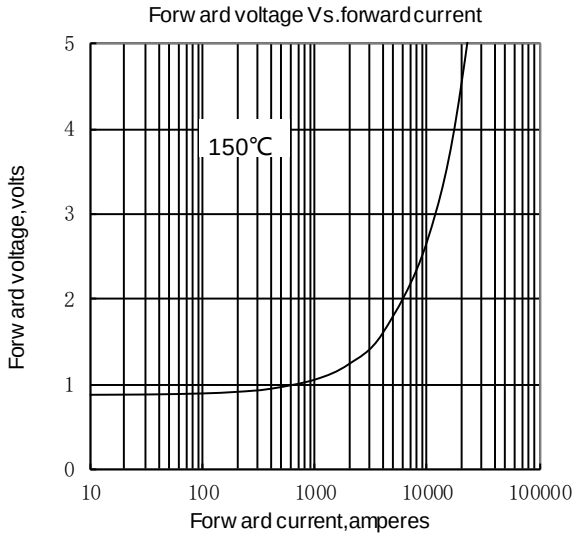


Fig.1

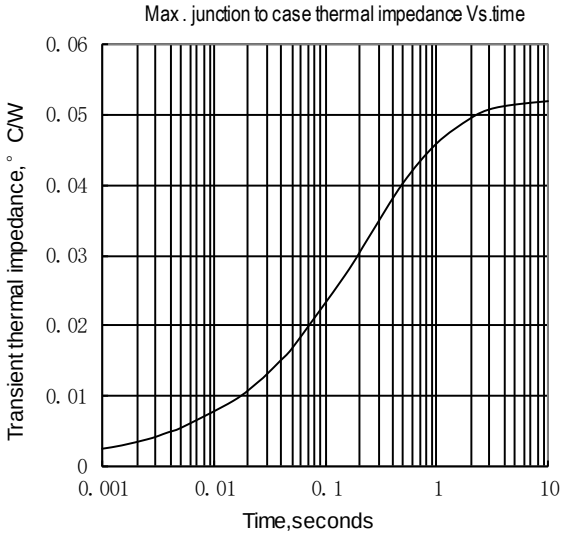


Fig.2

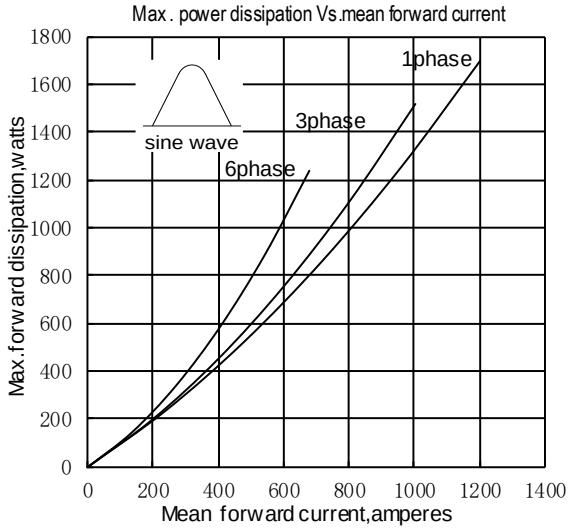


Fig.3

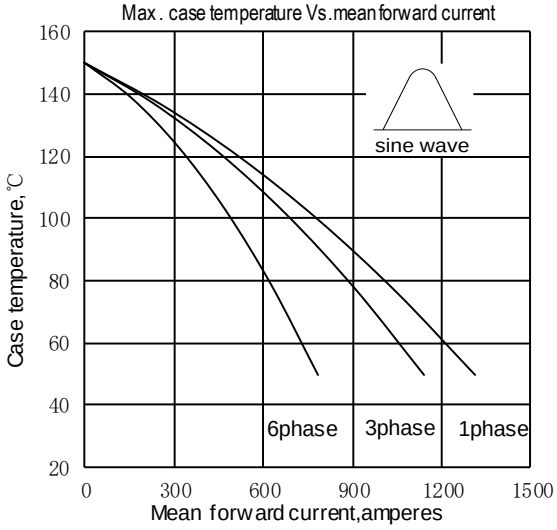


Fig.4

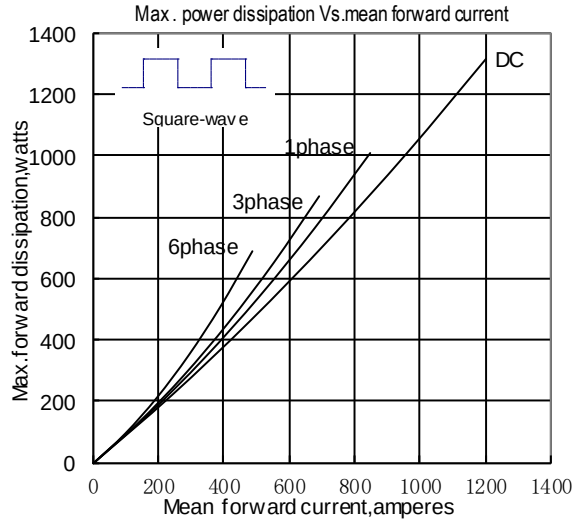


Fig.5

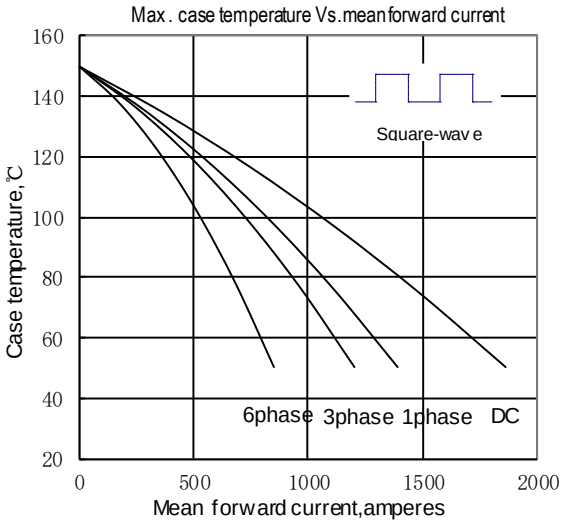


Fig.6

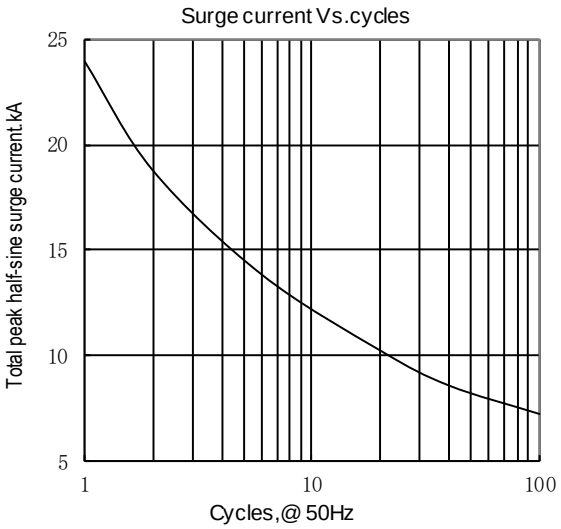


Fig.7

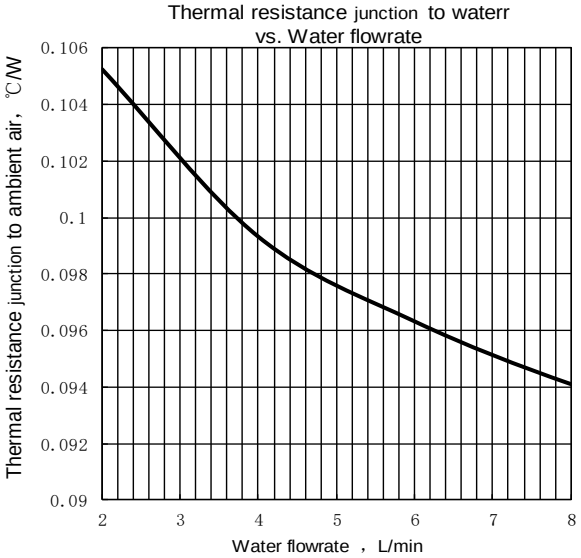
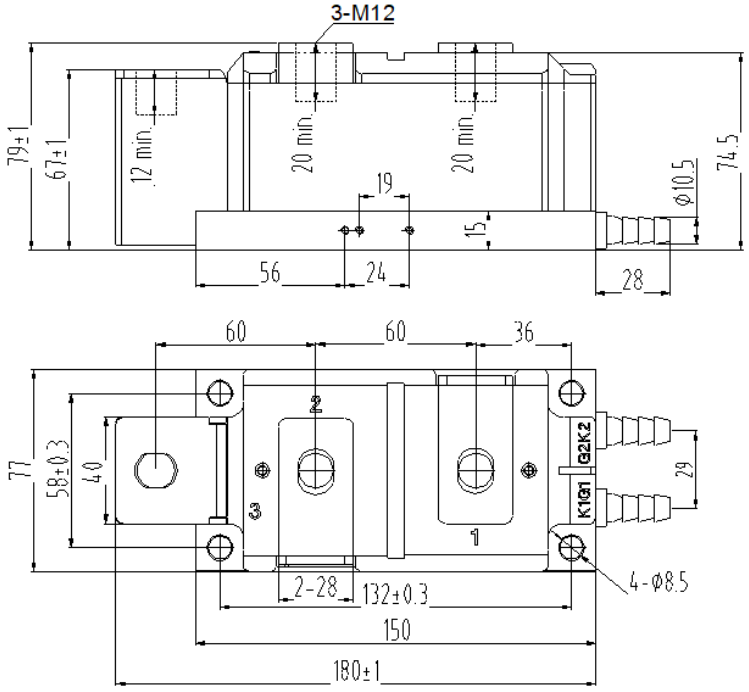
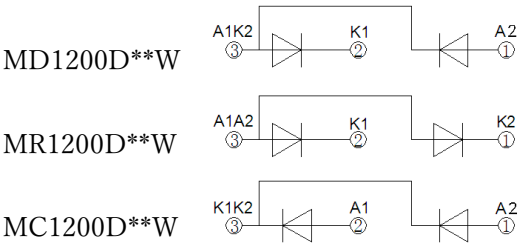


Fig.8





Unmarked dimensional tolerance：±0.5mm

NIps reserves the right to change specifications without notice.