

Features :

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

Typical Applications

- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

V _{RSM}	V _{RPM}	品名
2100V	2000V	Mx400D200W
2300V	2200V	Mx400D220W
2600V	2500V	Mx400D250W

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T _i (°C)	VALUE			UNIT
				Min.	Typ.	Max.	
I _{F(AV)}	Mean forward current	180° half sine wave 50Hz Single side water cooled, T _c =60°C	150			400	A
I _{F(RMS)}	RMS forward current		150			628	A
I _{RPM}	Repetitive peak current	at V _{RPM}	150			30	mA
I _{FSM}	Surge forward current	10ms half sine wave V _R =0.6V _{RPM}	150			11.0	kA
I ² t	I ² t for fusing coordination					605	A ² s*10 ³
V _{FO}	Threshold voltage		150			0.85	V
r _F	Forward slope resistance					0.69	mΩ
V _{FM}	Peak forward voltage	I _{FM} =1200A	25			1.88	V
R _{th(j-c)}	Thermal resistance Junction to case	D.C. Single side cooled per chip				0.14	°C /W
R _{th(c-h)}	Thermal resistance case to heat sink	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)		3000			V
F _m	Terminal connection torque(M8)				12.0		N·m
	Mounting torque(M6)				6.0		N·m
T _{stg}	Stored temperature			-40		125	°C
W _t	Weight				1055		g
Outline	M13						

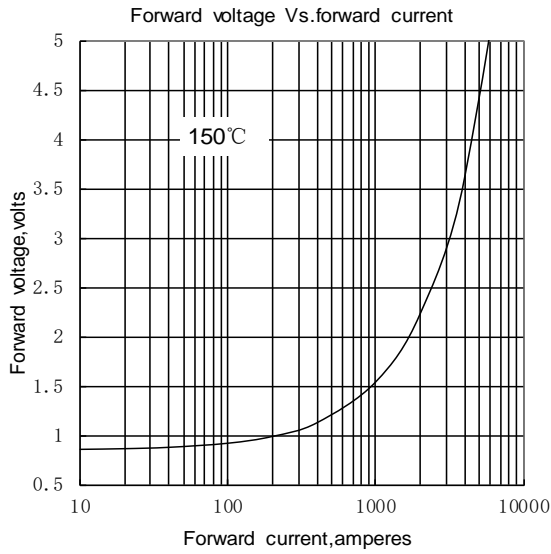


Fig.1

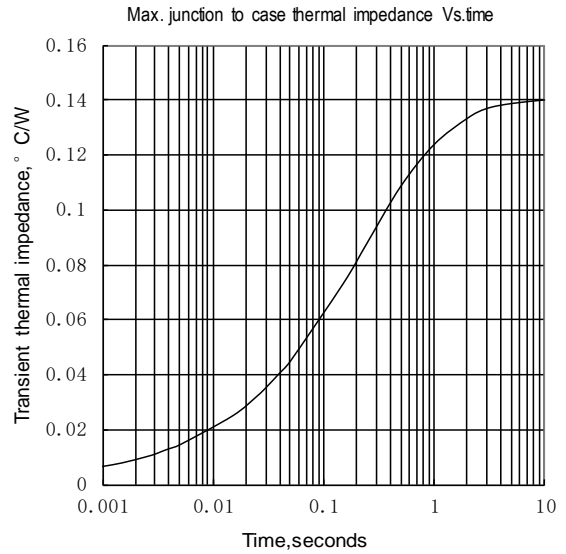


Fig.2

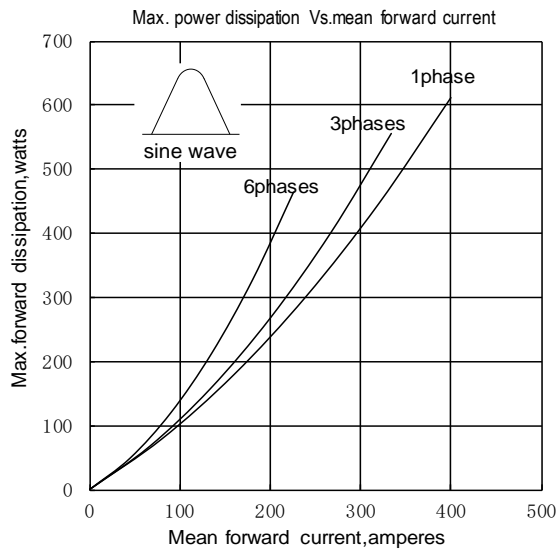


Fig.3

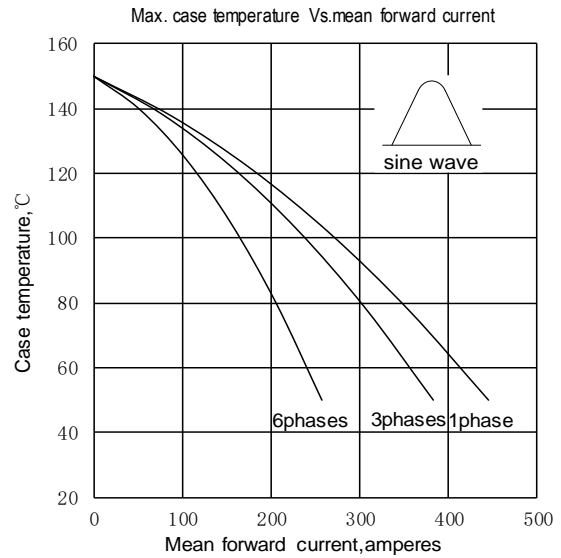


Fig.4

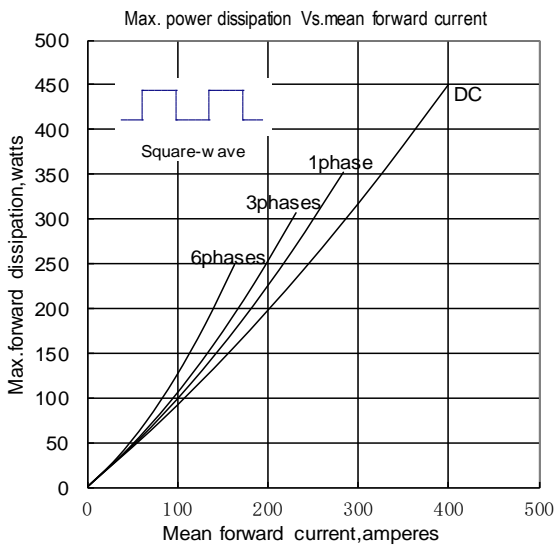


Fig.5

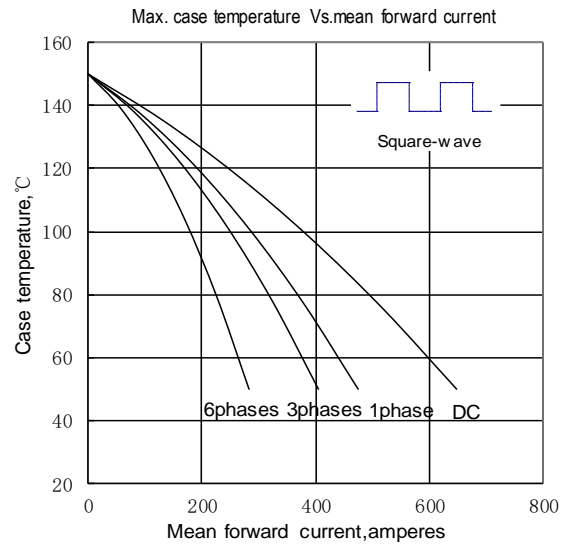


Fig.6

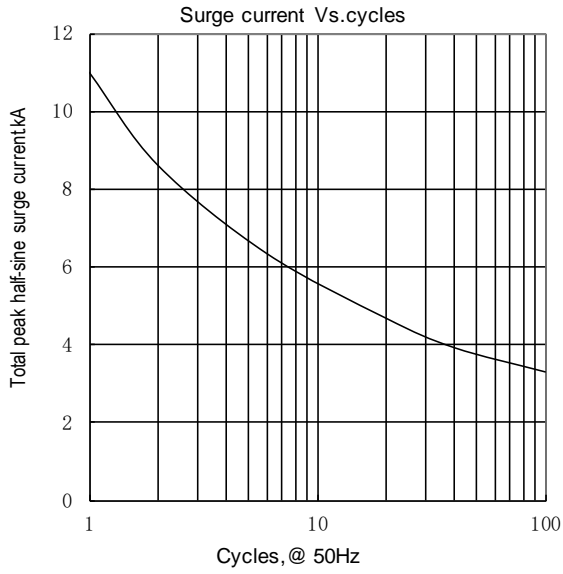
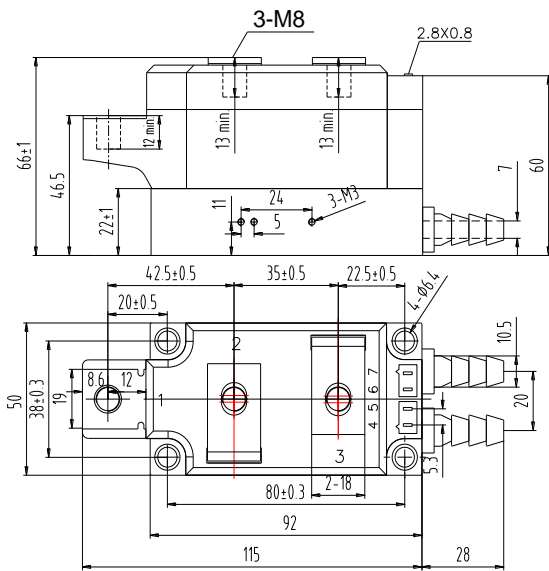
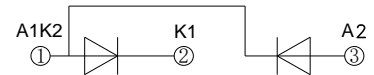


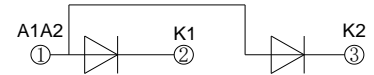
Fig.7



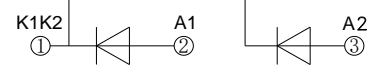
MD400D**W



MR400D**W



MC400D**W



Unmarked dimensional tolerance : ±0.5mm

Nlps reserves the right to change specifications without notice.