

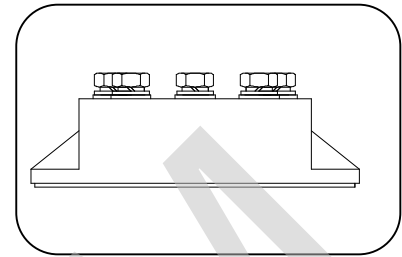
Features:

- n Isolated mounting base 2500V~
- n Pressure contact technology with Increased power cycling capability
- n Space and weight savings

Typical Applications

- n Inverter
- n Inductive heating
- n Chopper

I_o **100 A**
 V_{RRM} **600~1600 V**
 I_{FSM} **1.2 A × 10³**
 I^2t **7.2 A² S × 10³**



SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T _j (°C)	VALUE			UNIT
				Min	Type	Max	
I_o	DC output current	Three-phase full wave rectifying circuit, T _C =100°C	150			100	A
V_{RRM}	Repetitive peak reverse voltage	V _{RRM} tp=10ms V _{RSM} = V _{RRM} +200V	150	600		1600	V
I_{RRM}	Repetitive peak current	at V _{RRM}	150			8	mA
I_{FSM}	Surge forward current	10ms half sine wave	150			1.2	KA
I^2t	I ² T for fusing coordination	V _R =0.6V _{RRM}					7.2
V_{FO}	Threshold voltage		150			0.8	V
r_F	Forward slop resistance						4.5
V_{FM}	Peak forward voltage	I _{FM} =100A	25			1.3	V
R _{th(j-c)}	Thermal resistance Junction to case	Single side cooled				0.2	°C /W
R _{th(c-h)}	Thermal resistance case to heatsink	Single side cooled				0.07	°C /W
V_{iso}	Isolation voltage	50Hz, R.M.S, t=1min, I _{iso} : 1mA(max)		2500			V
F_m	Terminal connection torque(M5)					4	N·m
	Mounting torque(M6)					6	N·m
T_{stg}	Stored temperature			-40		125	°C
W_t	Weight					200	g
Outline	220F5/218F5/219F5						

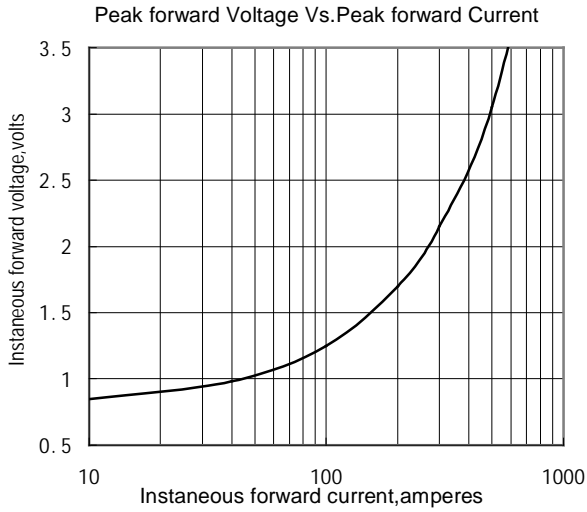


Fig.1

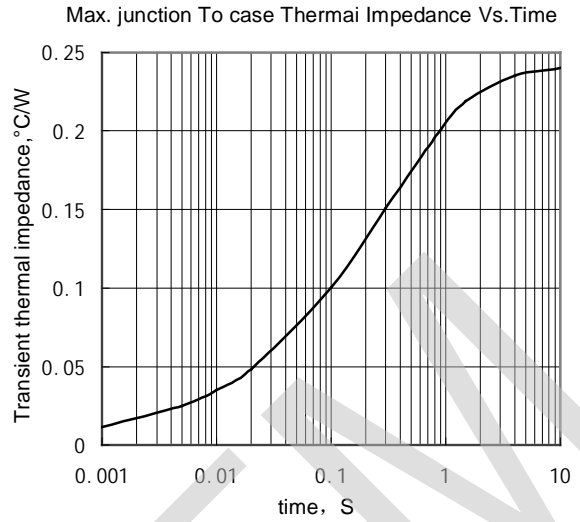


Fig.2

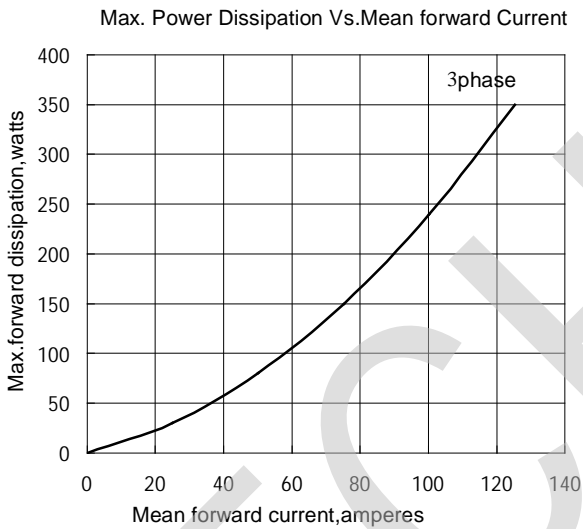


Fig.3

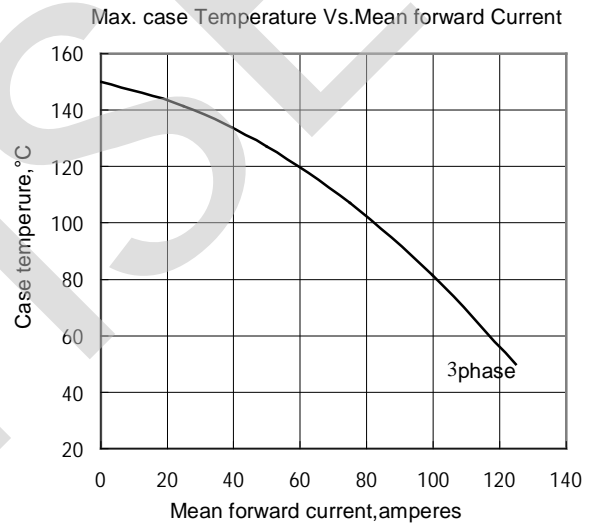


Fig.4

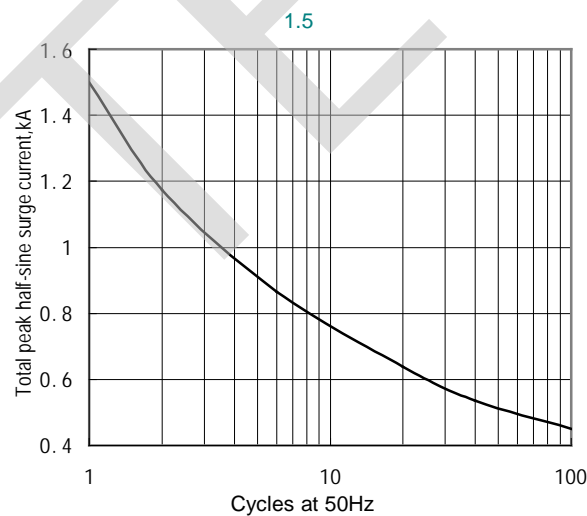


Fig.5

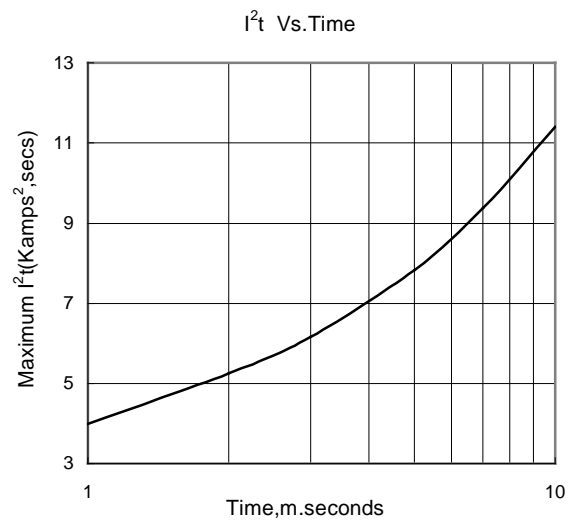


Fig.6

Outline:

