

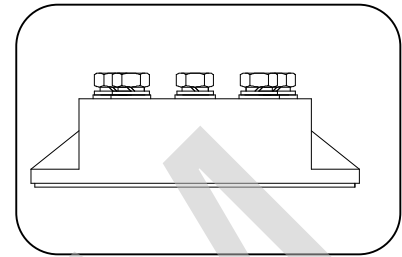
**Features:**

- 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 × 10<sup>3</sup>**  
 $I^2t$                      **7.2 A<sup>2</sup> S × 10<sup>3</sup>**



SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T <sub>j</sub> (°C)	VALUE			UNIT
				Min	Type	Max	
$I_o$	DC output current	Three-phase full wave rectifying circuit, T <sub>C</sub> =100°C	150			100	A
$V_{RRM}$	Repetitive peak reverse voltage	V <sub>RRM</sub> tp=10ms V <sub>RSM</sub> = V <sub>RRM</sub> +200V	150	600		1600	V
$I_{RRM}$	Repetitive peak current	at V <sub>RRM</sub>	150			8	mA
$I_{FSM}$	Surge forward current	10ms half sine wave	150			1.2	KA
$I^2t$	I <sup>2</sup> T for fusing coordination	V <sub>R</sub> =0.6V <sub>RRM</sub>					7.2
$V_{FO}$	Threshold voltage		150			0.8	V
$r_F$	Forward slop resistance						4.5
$V_{FM}$	Peak forward voltage	I <sub>FM</sub> =100A	25			1.3	V
R <sub>th(j-c)</sub>	Thermal resistance Junction to case	Single side cooled				0.2	°C /W
R <sub>th(c-h)</sub>	Thermal resistance case to heatsink	Single side cooled				0.07	°C /W
$V_{iso}$	Isolation voltage	50Hz, R.M.S, t=1min, I <sub>iso</sub> : 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						

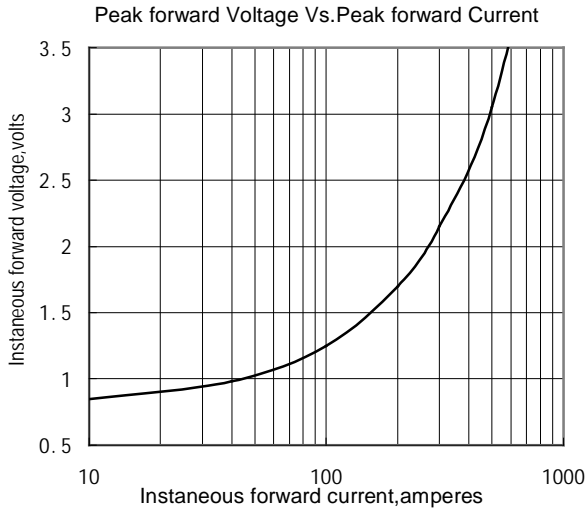


Fig.1

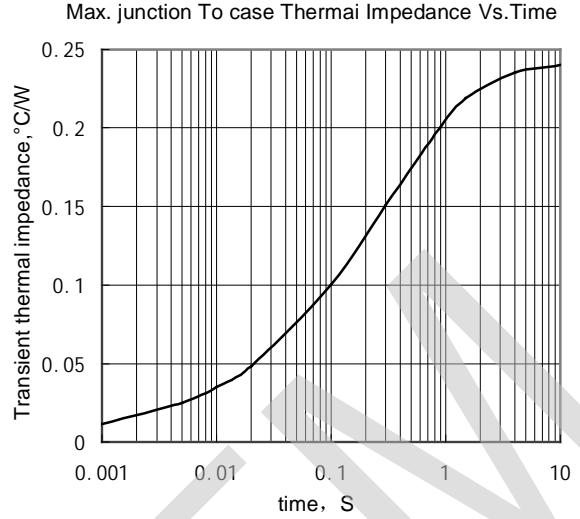


Fig.2

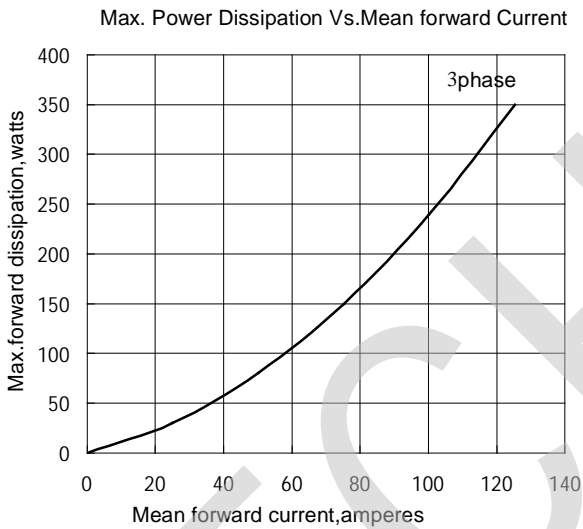


Fig.3

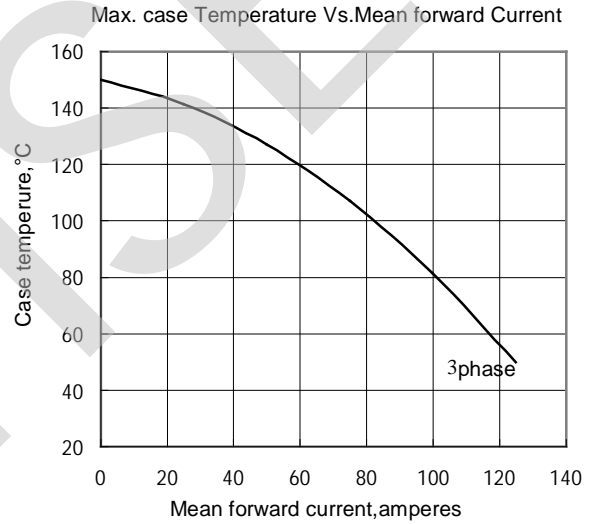


Fig.4

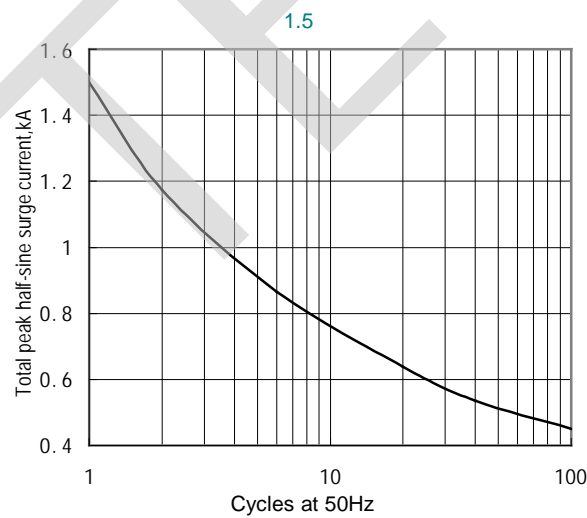


Fig.5

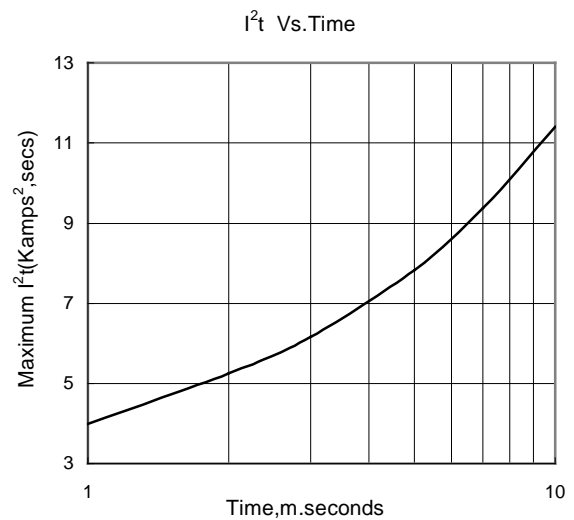


Fig.6

Outline:

