

**Features:**

- Isolated mounting base 2500V
- Solder joint technology
- Space and weight savings

**Typical Applications**

- DC Power supplies for equipments.
- DC supply for PWM inverter
- Inverter Welder

$I_o$	<b>75A</b>
$V_{RRM}$	<b>600~1800V</b>
$I_{FSM}$	<b><math>1.2A \times 10^3</math></b>
$I^2t$	<b><math>7.2A^2 \cdot S \cdot 10^3</math></b>



SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T <sub>j</sub> (°C)	VALUE			UNIT
				Min	Type	Max	
I <sub>o</sub>	DC output current	Single-phase full wave rectifying circuit, T <sub>C</sub> =100°C	150			75	A
V <sub>RRM</sub>	Repetitive peak reverse voltage	V <sub>RRM</sub> tp=10ms V <sub>RSM</sub> =V <sub>RRM</sub> +100V	150	600		1800	V
I <sub>RRM</sub>	Repetitive peak current	at V <sub>RRM</sub>	150			8	mA
I <sub>FSM</sub>	Surge forward current	10ms half sine wave	150			1.20	KA
I <sup>2</sup> t	I <sup>2</sup> T for fusing coordination	V <sub>R</sub> =0.6V <sub>RRM</sub>				7.2	A <sup>2</sup> s*10 <sup>3</sup>
V <sub>FO</sub>	Threshold voltage		150			0.8	V
r <sub>F</sub>	Forward slop resistance					7.0	mΩ
V <sub>FM</sub>	Peak forward voltage	I <sub>FM</sub> =110A	25			1.38	V
R <sub>th(j-c)</sub>	Thermal resistance Junction to case	Single side cooled				0.20	°C /W
R <sub>th(c-h)</sub>	Thermal resistance case to heatsink	Single side cooled				0.15	°C /W
V <sub>iso</sub>	Isolation voltage	50Hz, R.M.S, t=1min, I <sub>iso</sub> :1mA(max)		2500			V
F <sub>m</sub>	Terminal connection torque(M5)				4		N·m
	Mounting torque(M6)				6		N·m
T <sub>stg</sub>	Stored temperature			-40		125	°C
W <sub>t</sub>	Weight				190		g
Outline	220H5/218H5/219H5/232H5						

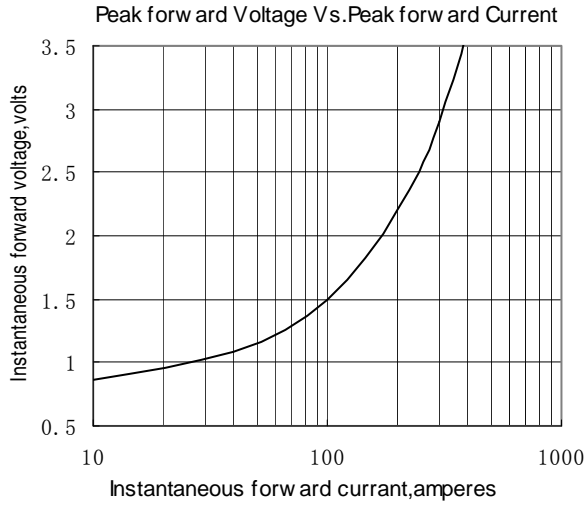


Fig.1

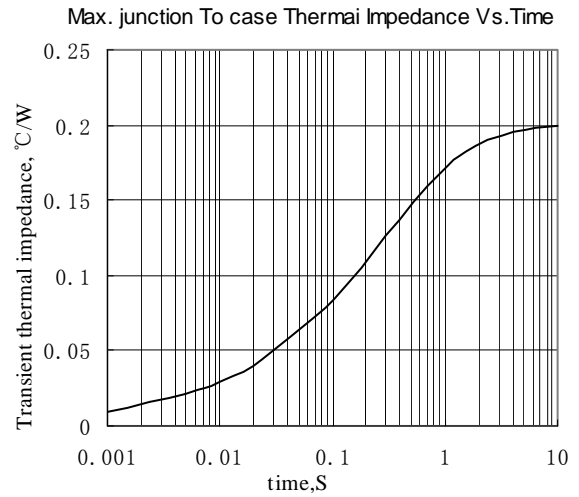


Fig.2

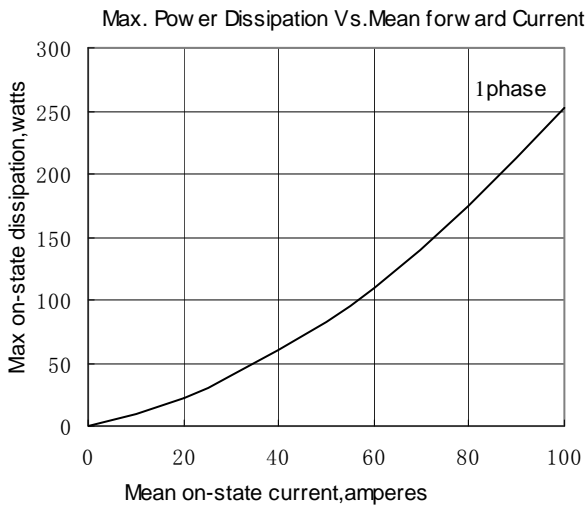


Fig.3

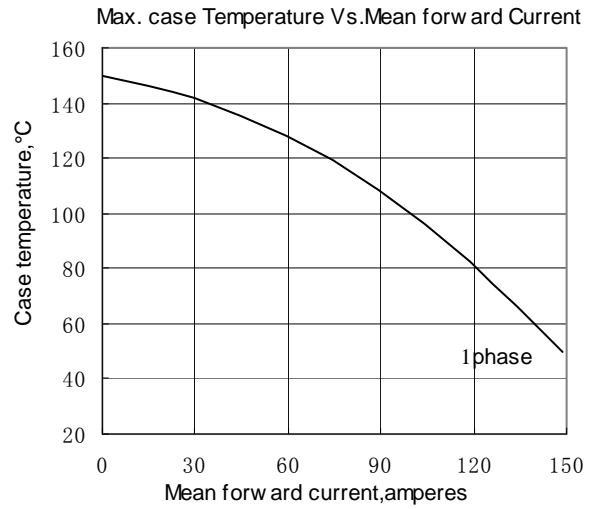


Fig.4

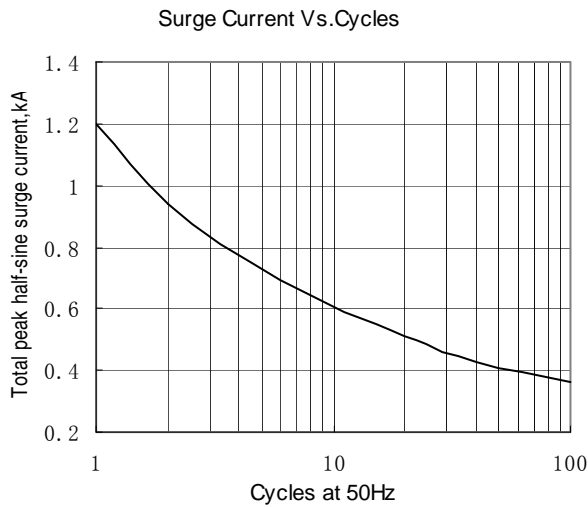


Fig.5

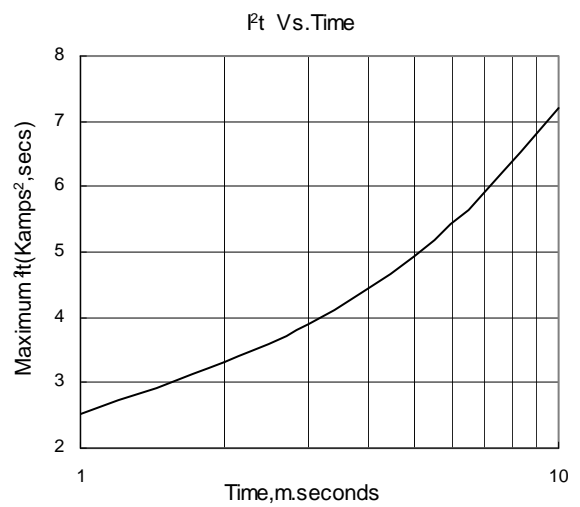


Fig.6

utline:

