

**Features :**

- n Isolated mounting base 2500V
- n Solder joint technology with Increased power cycling capability
- n Space and weight savings

**Typical Applications**

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

V <sub>RSM</sub>	V <sub>RRM</sub>	Type & Outline
900V	800V	MDQ75-08-232H5
1100V	1000V	MDQ75-10-232H5
1300V	1200V	MDQ75-12-232H5
1500V	1400V	MDQ75-14-232H5
1700V	1600V	MDQ75-16-232H5
1900V	1800V	MDQ75-18-232H5

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
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			0.6	kA
I <sup>2</sup> t	I <sup>2</sup> T for fusing coordination	V <sub>R</sub> =0				1.8	A <sup>2</sup> s*10 <sup>3</sup>
V <sub>FO</sub>	Threshold voltage		150			0.7	V
r <sub>F</sub>	Forward slop resistance					4.2	mW
V <sub>FM</sub>	Peak forward voltage	I <sub>FM</sub> =120A	25			1.38	V
R <sub>th(j-c)</sub>	Thermal resistance Junction to case	Single side cooled, per total				0.20	°C /W
R <sub>th(c-h)</sub>	Thermal resistance case to heatsink	Single side cooled, per total				0.07	°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)				4.0		N·m
	Mounting torque(M5)				4.0		N·m
T <sub>stg</sub>	Stored temperature			-40		125	°C
W <sub>t</sub>	Weight				120		g
Outline	232H5						

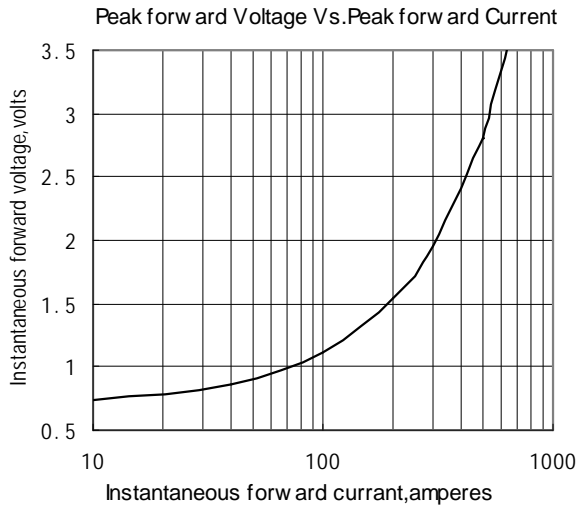


Fig.1

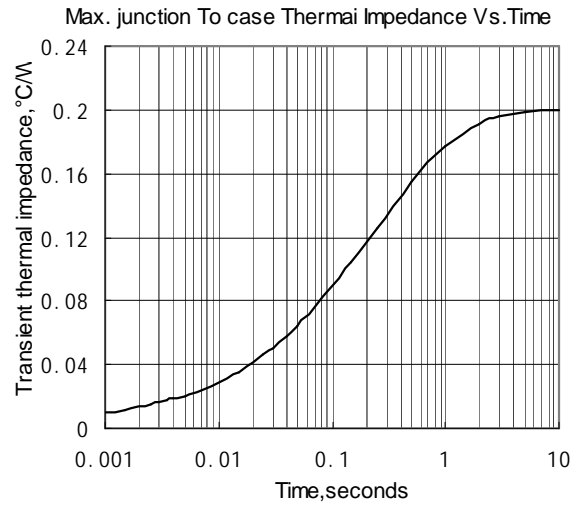


Fig.2

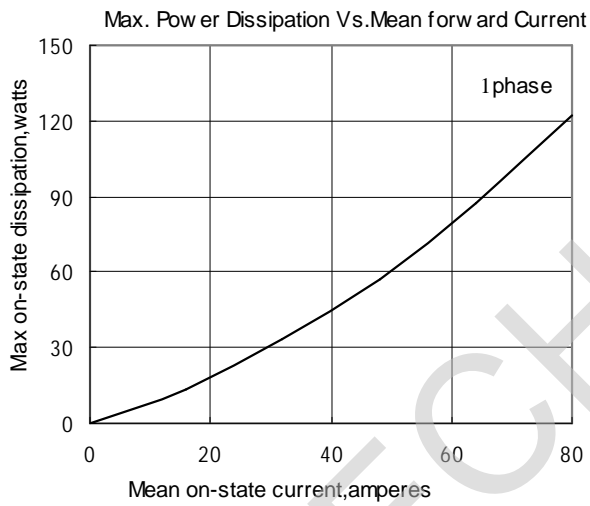


Fig.3

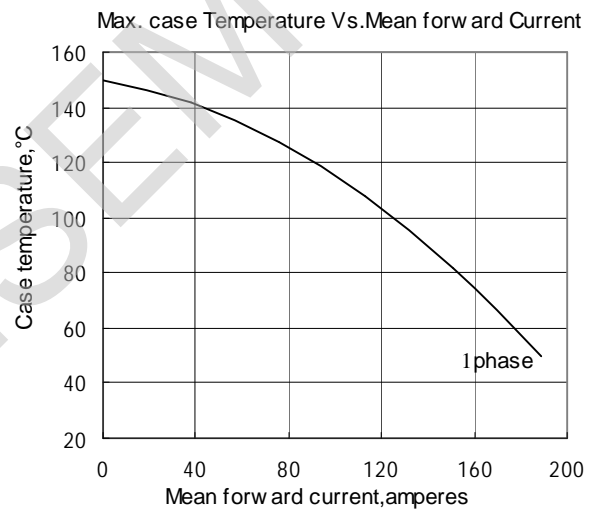


Fig.4

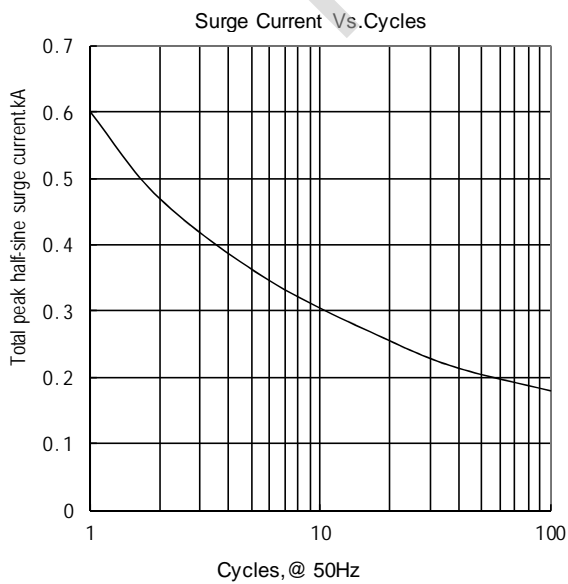


Fig.5

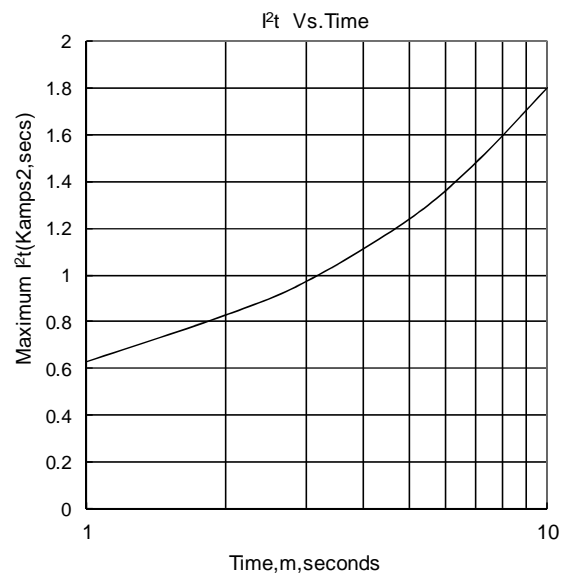


Fig.6

Outline:

