

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	50A
V_{RRM}	600~1800V
I_{FSM}	$1.0A \times 10^3$
I^2t	$5.0A^2 \cdot s \cdot 10^3$



SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T _j (°C)	VALUE			UNIT
				Min	Type	Max	
I _o	DC output current	Single-phase full wave rectifying circuit, T _C =100°C	150			50	A
V _{RRM}	Repetitive peak reverse voltage	V _{RRM} tp=10ms V _{RSM} = V _{RRM} +100V	150	600		1800	V
I _{RRM}	Repetitive peak current	at V _{RRM}	150			4	mA
I _{FSM}	Surge forward current	10ms half sine wave	150			1.0	KA
I ² t	I ² T for fusing coordination	V _R =0.6V _{RRM}					5.0
V _{FO}	Threshold voltage		150			0.8	V
r _F	Forward slop resistance						9.0
V _{FM}	Peak forward voltage	I _{FM} =75A	25			1.25	V
R _{th(j-c)}	Thermal resistance Junction to case	Single side cooled				0.24	°C /W
R _{th(c-h)}	Thermal resistance case to heatsink	Single side cooled				0.15	°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				190		g
Outline	220H5/218H5/219H5/232H5						

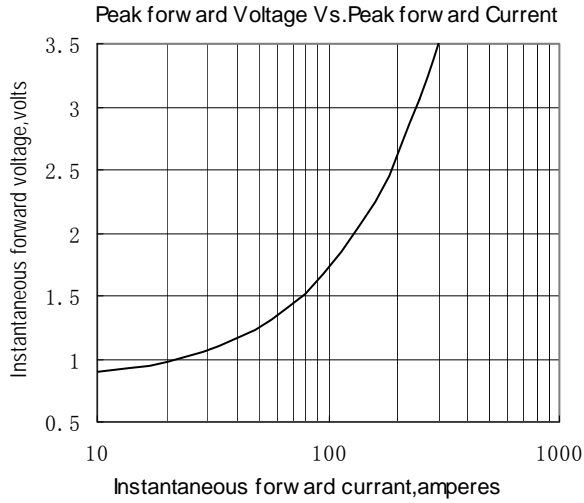


Fig.1

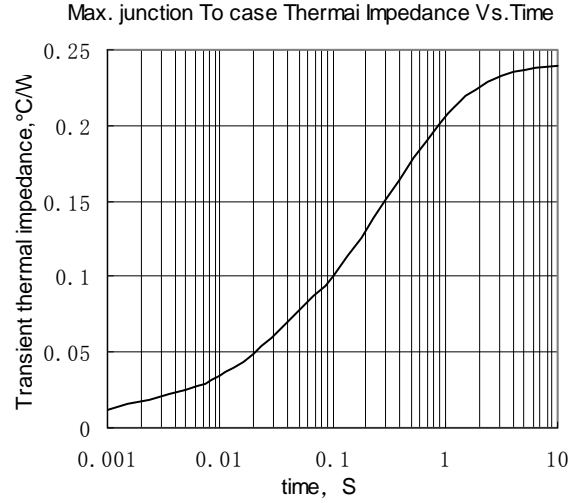


Fig.2

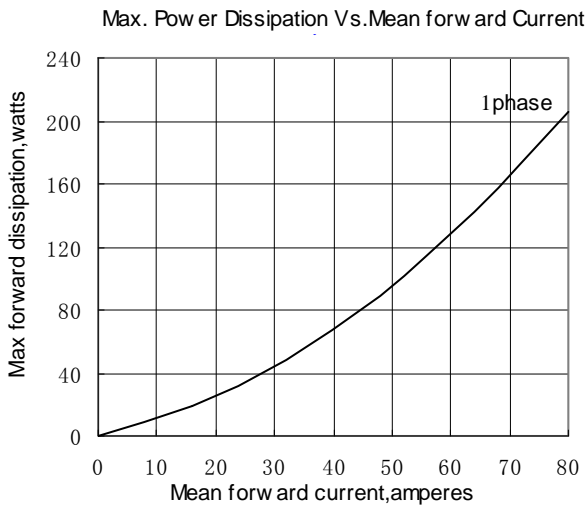


Fig.3

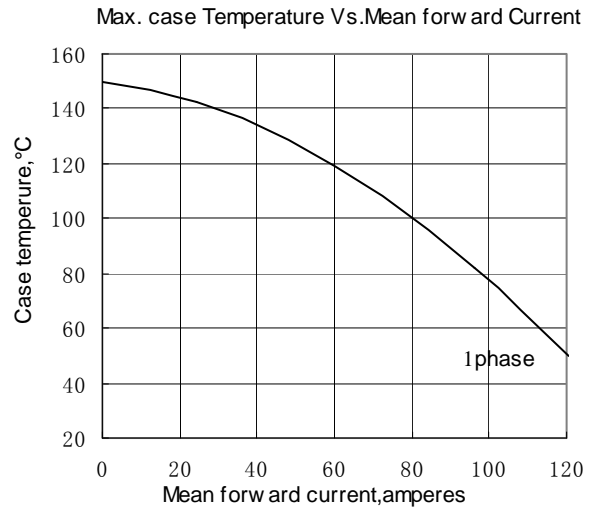


Fig.4

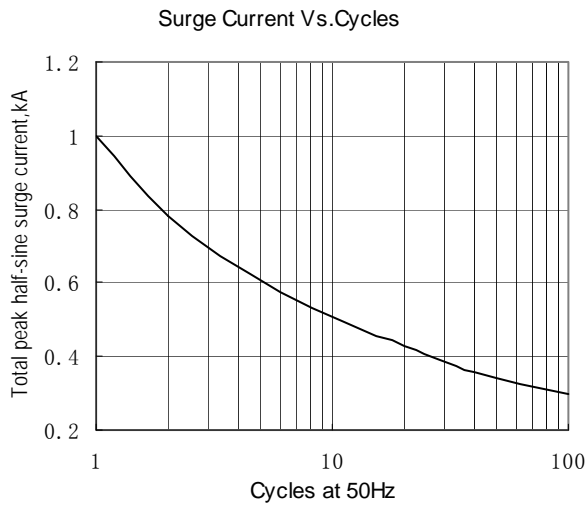


Fig.5

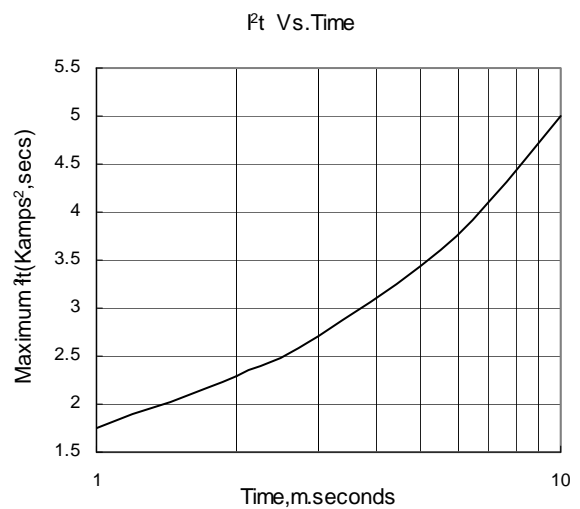


Fig.6

Outline:

