

Features:

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

Typical Applications

- Inverter
- Inductive heating
- Chopper

I_O **50 A**
 V_{RRM} **600~1800 V**
 I_{FSM} **0.80 A $\times 10^3$**
 I^2t **2.8 A 2 S $\times 10^3$**



SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T_j (°C)	VALUE			UNIT
				Min	Type	Max	
I_O	DC output current	Three-phase full wave rectifying circuit, $T_C=100^\circ C$	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 $V_R=0.6V_{RRM}$	150			0.80	KA
I^2t	I^2T for fusing coordination					2.8	A 2 s $\times 10^3$
V_{FO}	Threshold voltage		150			0.8	V
r_F	Forward slop resistance					9.0	mΩ
V_{FM}	Peak forward voltage	$I_{FM}=50A$	25			1.20	V
$R_{th(j-c)}$	Thermal resistance Junction to case	Single side cooled				0.30	°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				200		g
Outline	220H5/218H5/219H5/232H5						

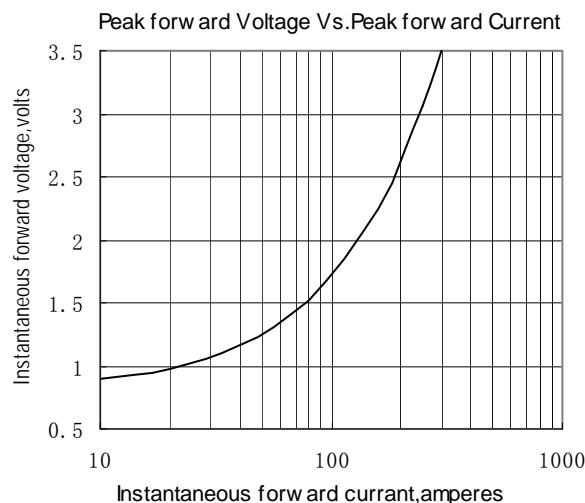


Fig.1

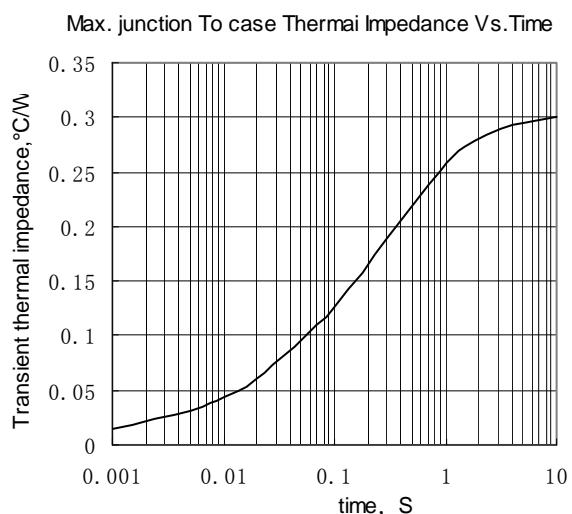


Fig.2

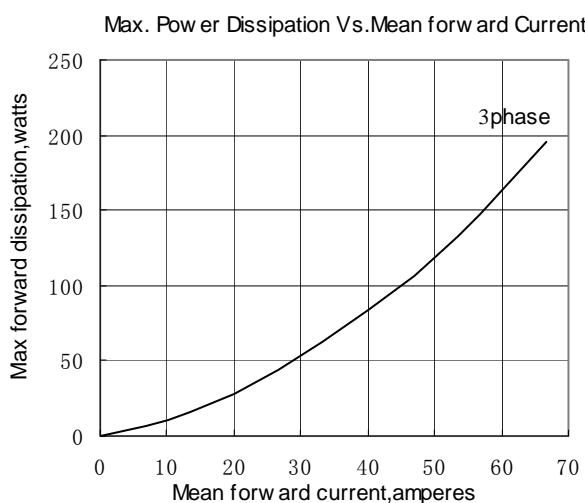


Fig.3

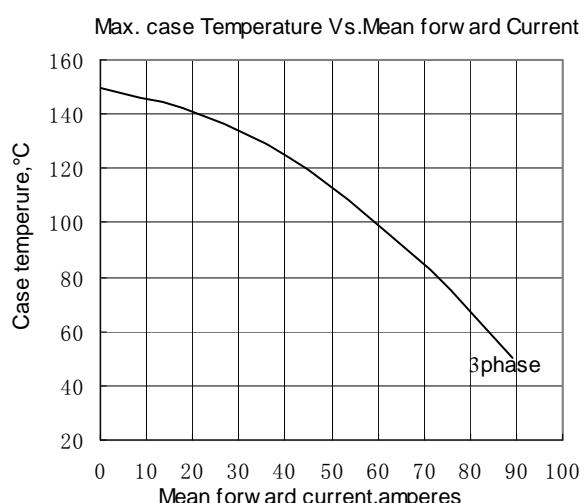


Fig.4

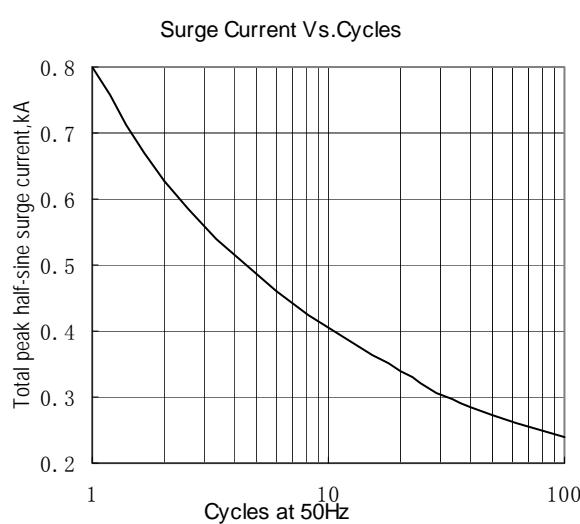


Fig.5

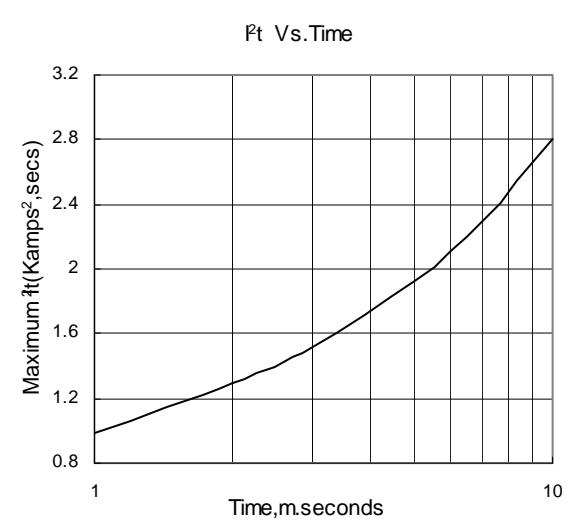


Fig.6

Outline: