

Features:

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

Typical Applications

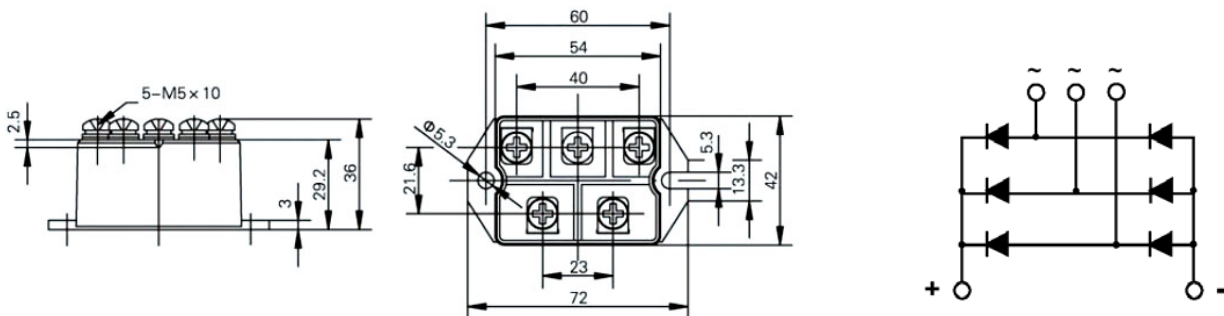
- Inverter
- Inductive heating
- Chopper

I_o **60 A**
 V_{RRM} **600~1800 V**
 I_{FSM} **$1.2 A \times 10^3$**
 I^2t **$0.8 A^2 S \cdot 10^3$**



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°C	150			100	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			8	mA	
I _{FSM}	Surge forward current	10ms half sine wave	150			0.4	KA	
I ² t	I ² T for fusing coordination	V _R =0.6V _{RRM}					0.8	A ² s*10 ³
V _{FO}	Threshold voltage						0.7	V
r _F	Forward slop resistance		150			6.0	mΩ	
V _{FM}	Peak forward voltage	I _{FM} =60A	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				0.07	°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							

Outline:



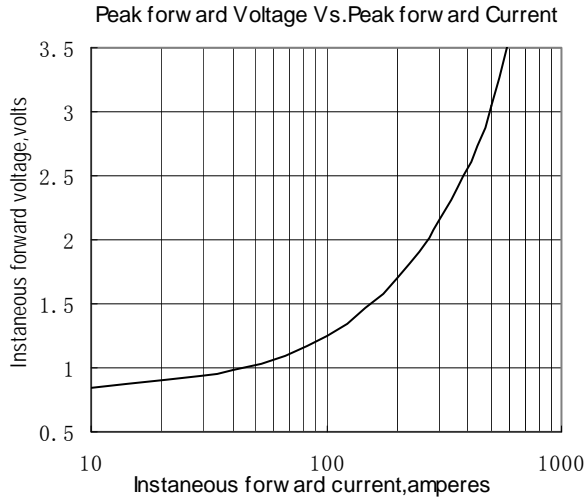


Fig.1

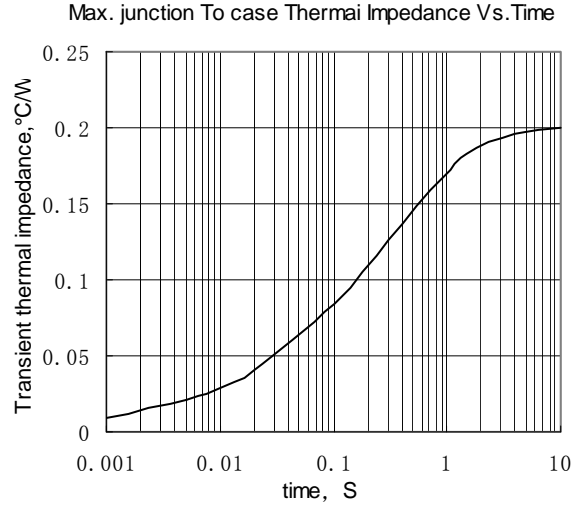


Fig.2

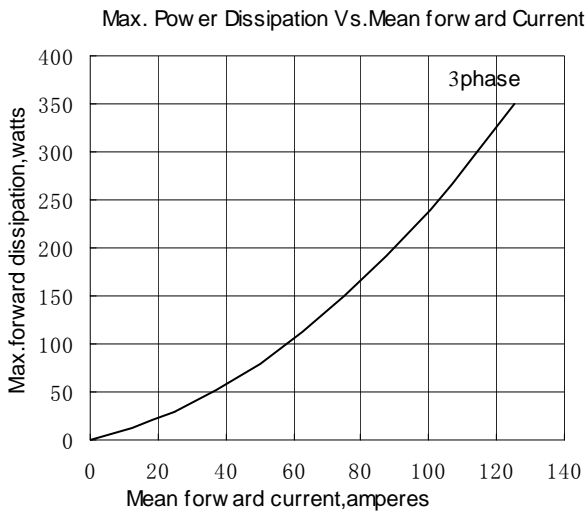


Fig.3

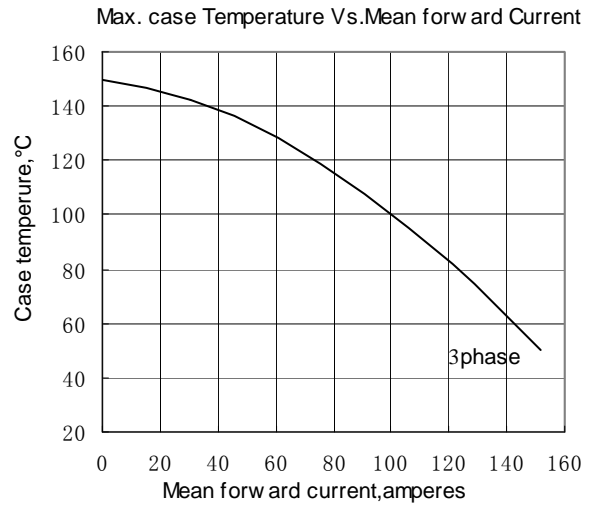


Fig.4

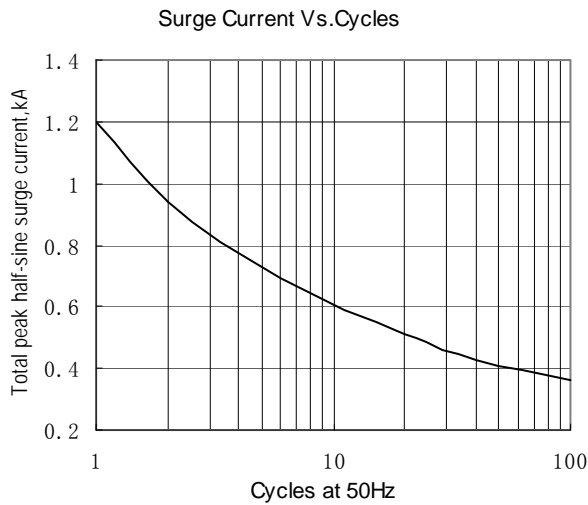


Fig.5

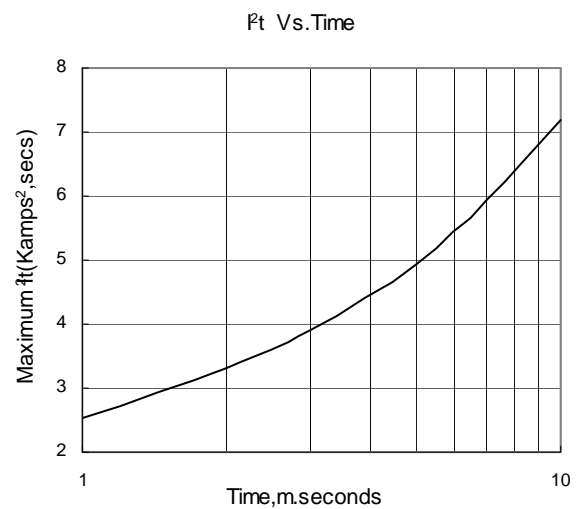


Fig.6