

### Features:

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

### Typical Applications

- Inverter
- Inductive heating
- Chopper

$I_o$                     **150 A**  
 $V_{RRM}$                 **600~1800 V**  
 $I_{FSM}$                  **1.5 A × 10<sup>3</sup>**  
 $I^2t$                      **11.4 A<sup>2</sup> S × 10<sup>3</sup>**



SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T <sub>j</sub> (°C)	VALUE			UNIT
				Min	Type	Max	
I <sub>o</sub>	DC output current	Three-phase full wave rectifying circuit, T <sub>C</sub> =100°C	150			150	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			10	mA
I <sub>FSM</sub>	Surge forward current	10ms half sine wave	150			1.5	KA
I <sup>2</sup> t	I <sup>2</sup> T for fusing coordination	V <sub>R</sub> =0.6V <sub>RRM</sub>					11.4
V <sub>FO</sub>	Threshold voltage		150			0.8	V
r <sub>F</sub>	Forward slop resistance						3.8
V <sub>FM</sub>	Peak forward voltage	I <sub>FM</sub> =150A	25			1.30	V
R <sub>th(j-c)</sub>	Thermal resistance Junction to case	Single side cooled				0.14	°C /W
R <sub>th(c-h)</sub>	Thermal resistance case to heatsink	Single side cooled				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(M64)				6		N·m
	Mounting torque(M5)				4		N·m
T <sub>stg</sub>	Stored temperature			-40		125	°C
W <sub>t</sub>	Weight				450		g
Outline	411H5/221H5						

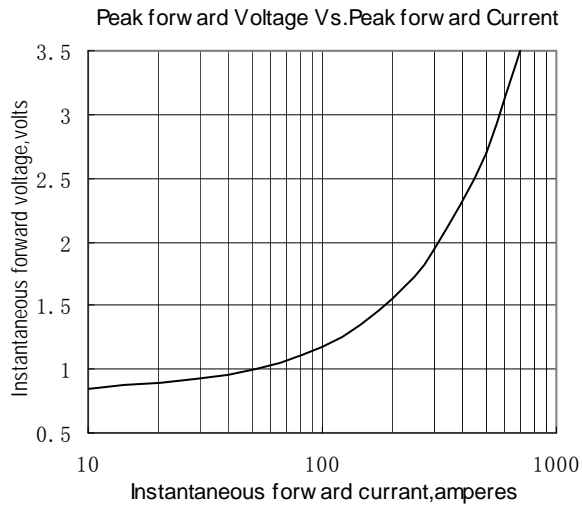


Fig.1

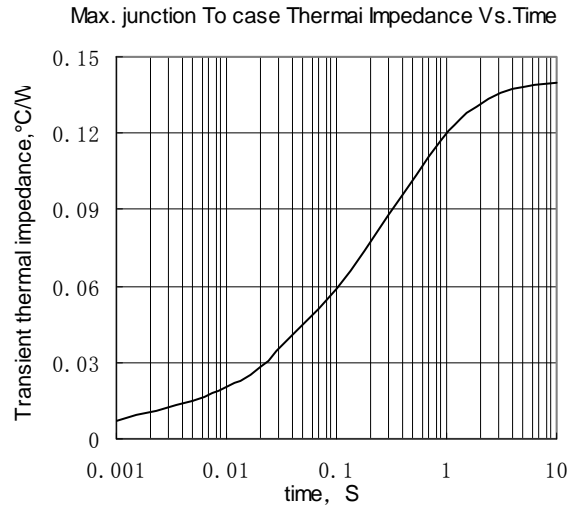


Fig.2

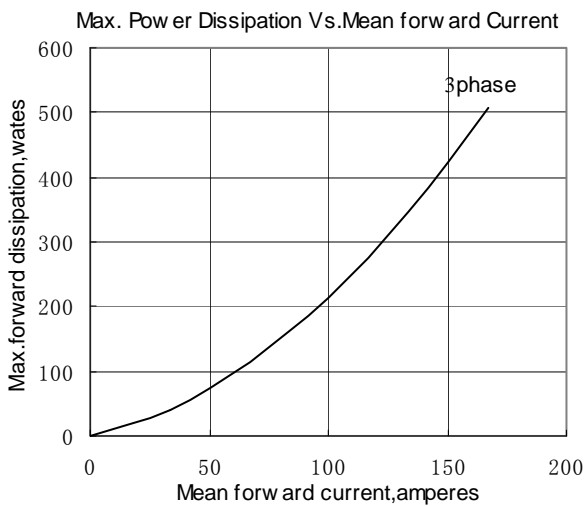


Fig.3

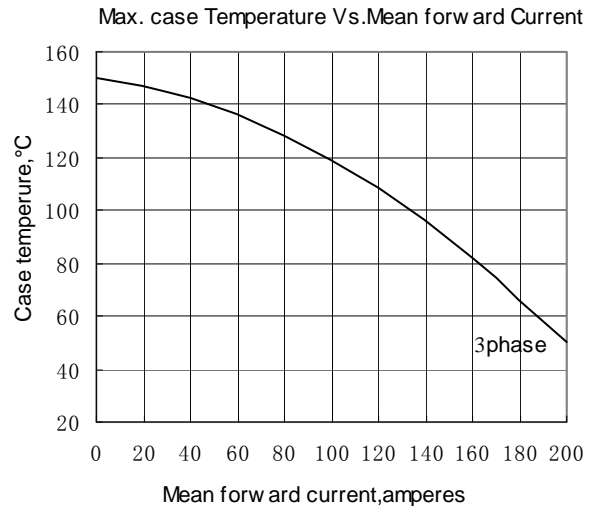


Fig.4

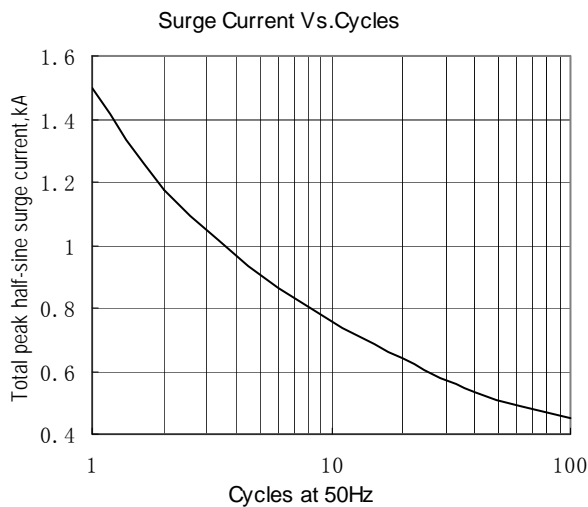


Fig.5

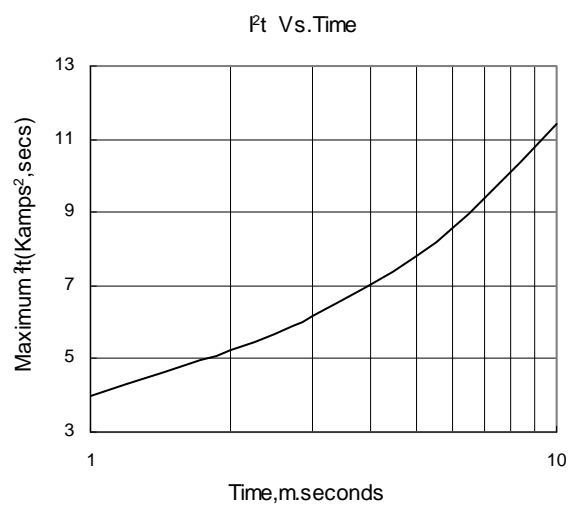
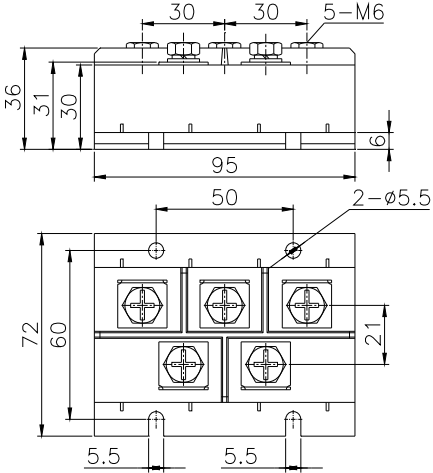


Fig.6

**Outline:**



**411H5**

