

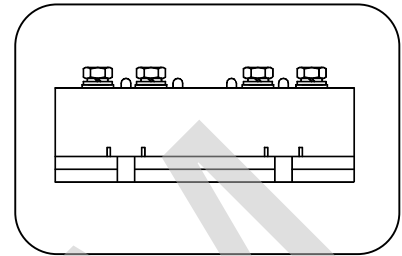
Features:

- n Isolated mounting base 2500V
- n Solder joint technology
- n Space and weight savings

Typical Applications

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

I_o 100A
 V_{RRM} 600~1600V
 I_{FSM} $1.5A \times 10^3$
 I^2t $11.4A^2 S \cdot 10^3$



SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T _i (°C)	VALUE			UNIT
				Min	Type	Max	
I_o	DC output current	Single-phase full wave rectifying circuit, T _C =100°C	150			100	A
V_{RRM}	Repetitive peak reverse voltage	V_{RRM} tp=10ms $V_{RSM} = V_{RRM} + 200V$	150	600		1600	V
I_{RRM}	Repetitive peak current	at V_{RRM}	150			10	mA
I_{FSM}	Surge forward current	10ms half sine wave	150			1.50	KA
I^2t	I ² T for fusing coordination	$V_R = 0.6V_{RRM}$				11.4	A ² s*10 ³
V_{FO}	Threshold voltage		150			0.80	V
r_F	Forward slop resistance					4.5	mΩ
V_{FM}	Peak forward voltage	$I_{FM} = 150A$	25			1.2	V
$R_{th(j-c)}$	Thermal resistance Junction to case	Single side cooled				0.14	°C /W
V_{iso}	Isolation voltage	50Hz, R.M.S, t=1min, I _{iso} :1mA(max)		2500			V
F_m	Terminal connection torque(M6)				6		N·m
	Mounting torque(M5)				4		N·m
T_{stg}	Stored temperature			-40		125	°C
W_t	Weight				420		g
Outline	411F4/419F4/221F4						

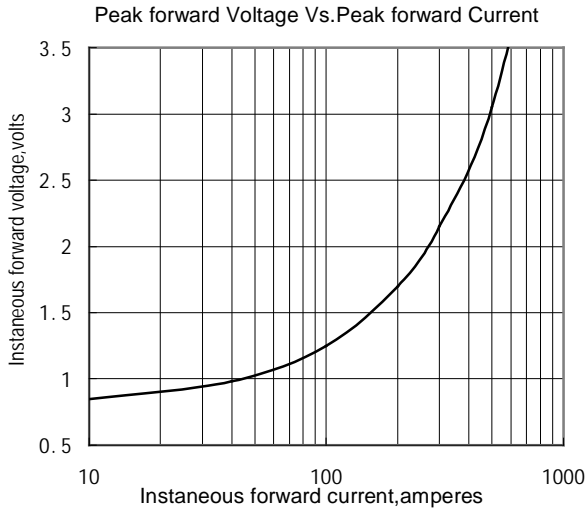


Fig.1

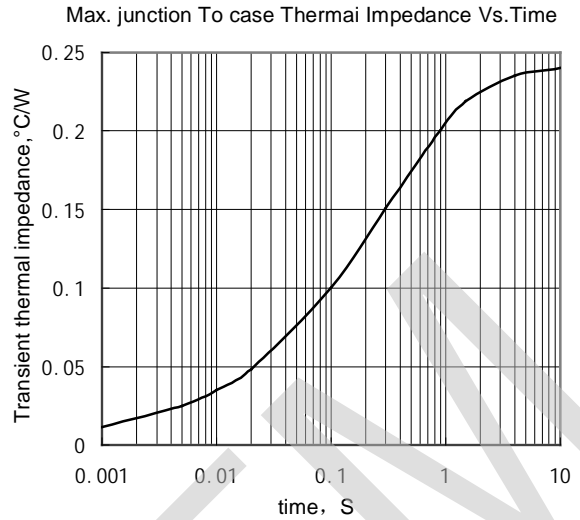


Fig.2

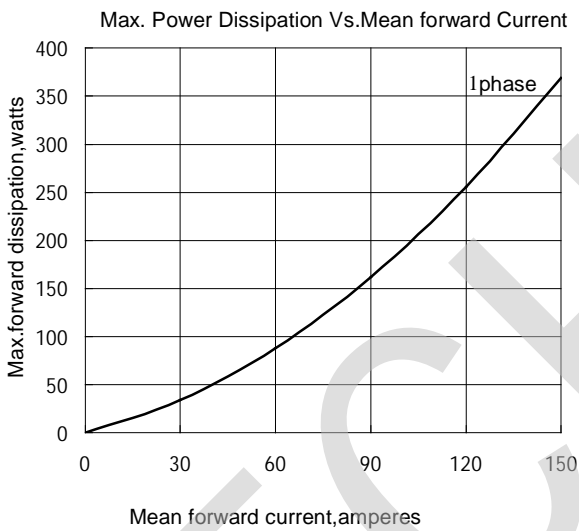


Fig.3

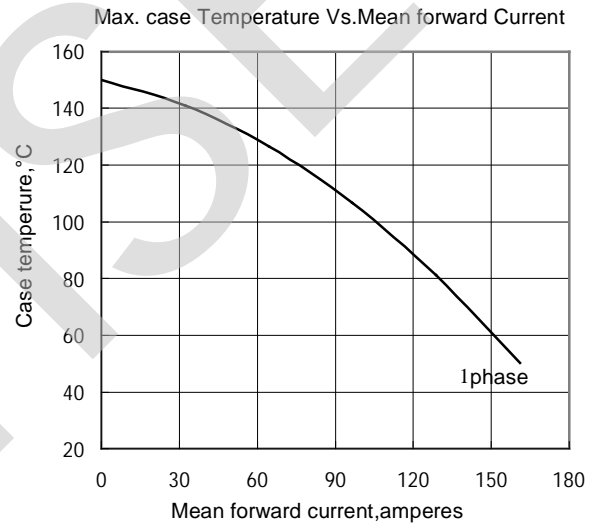


Fig.4

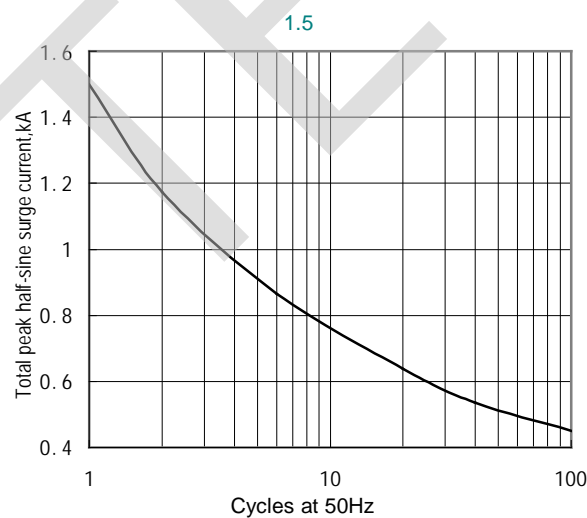


Fig.5

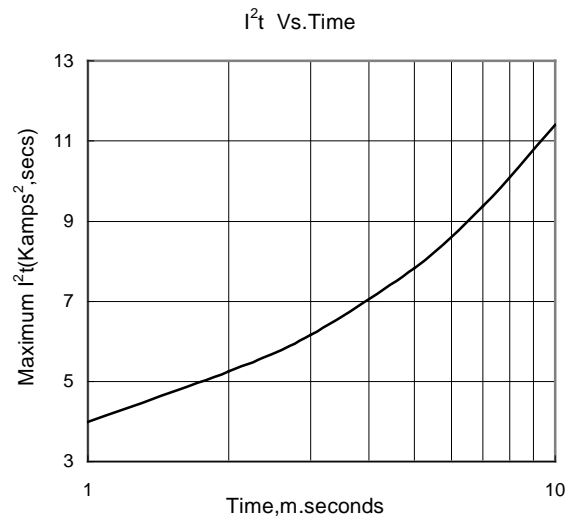
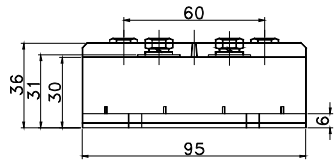
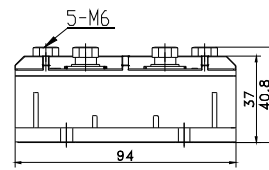


Fig.6

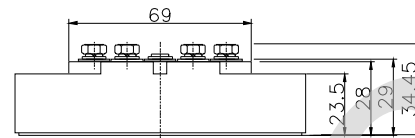
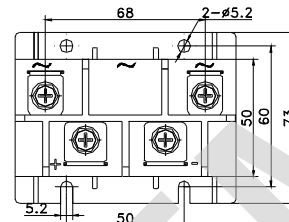
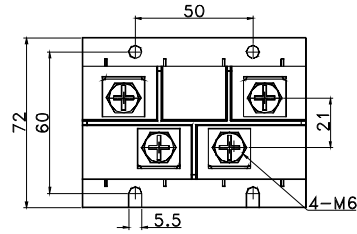
Outline:



411F4



419F4



221F4

