



$I_{F(AV)}$ **500A**
 V_{RRM} **2600~3600V**
 I_{FSM} **$16A \times 10^3$**
 I^2t **$1280A^2 \cdot S \cdot 10^3$**

Features:

- Isolated mounting base 3600V~
- Pressure contact technology with Increased power cycling capability
- Space and weight savings

Typical Applications

- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	$T_j(^{\circ}C)$	VALUE			UNIT
				Min	Type	Max	
$I_{F(AV)}$	Mean forward current	180° half sine wave 50Hz Single side cooled, $T_c=60^{\circ}C$	150			500	A
$I_{F(RMS)}$	RMS forward current		150			785	A
V_{RRM}	Repetitive peak reverse voltage	$V_{RRM} \text{ tp}=10\text{ms}$ $V_{RSM}=V_{RRM}+100V$	150	2600		3600	V
I_{RRM}	Repetitive peak current	at V_{RRM}	150			45	mA
I_{FSM}	Surge forward current	10ms half sine wave	150			16.0	KA
I^2t	I^2T for fusing coordination	$V_R=0.6V_{RRM}$					1280
V_{FO}	Threshold voltage		150			0.95	V
r_F	Forward slop resistance						1.12
V_{FM}	Peak forward voltage	$I_{FM}=1500A$	25			2.83	V
$R_{th(j-c)}$	Thermal resistance Junction to case	At 180° sine: Single side cooled				0.075	$^{\circ}C/W$
$R_{th(c-h)}$	Thermal resistance case to heatsink	At 180° sine: Single side cooled				0.024	$^{\circ}C/W$
V_{iso}	Isolation voltage	50Hz, R.M.S, t=1min, $I_{iso}:1\text{mA}(\text{max})$		3600			V
F_m	Terminal connection torque(M10)				12		N-m
	Mounting torque(M6)				6		N-m
T_{stg}	Stored temperature			-40		125	$^{\circ}C$
W_t	Weight				2600		g
Outline							

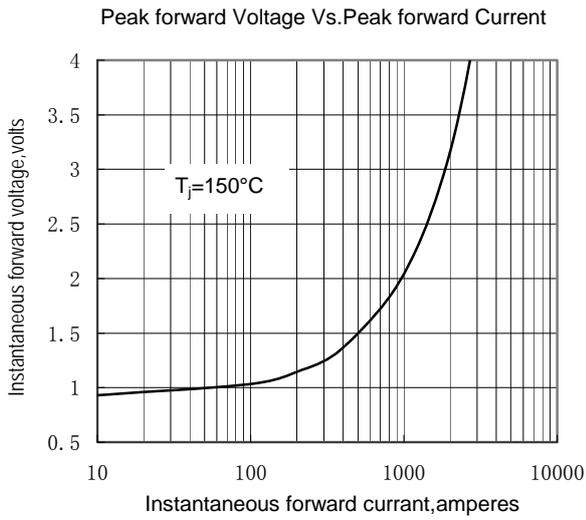


Fig.1

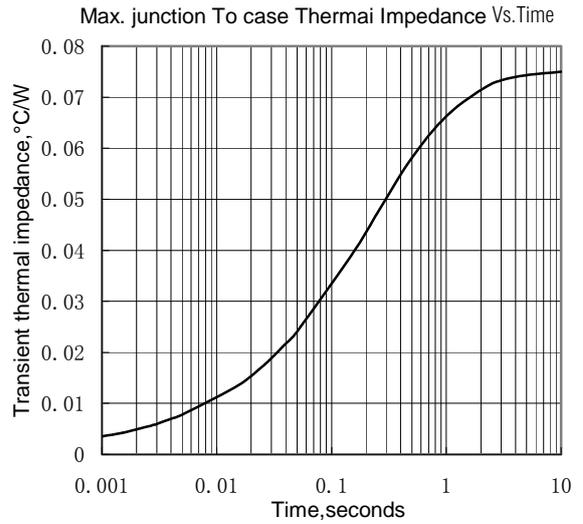


Fig.2

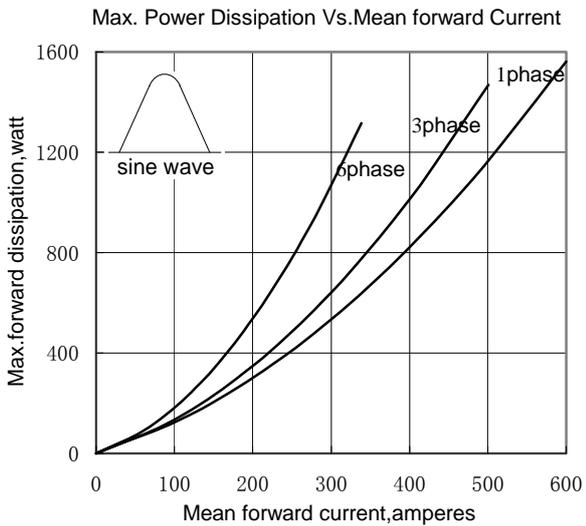


Fig.3

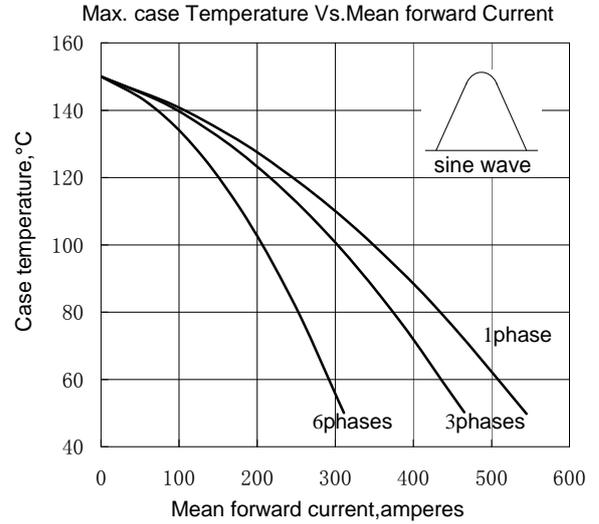


Fig.4

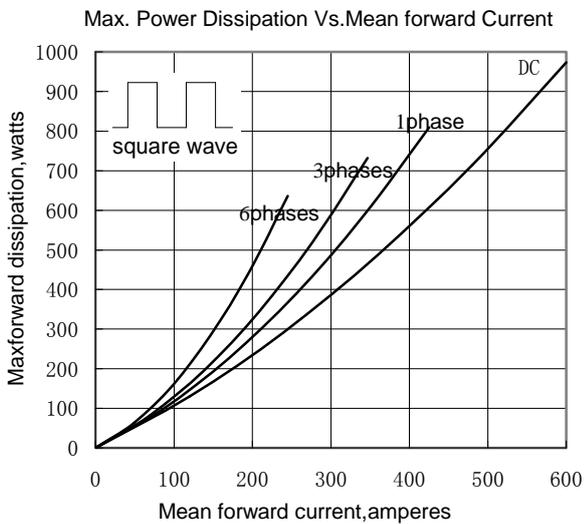


Fig.5

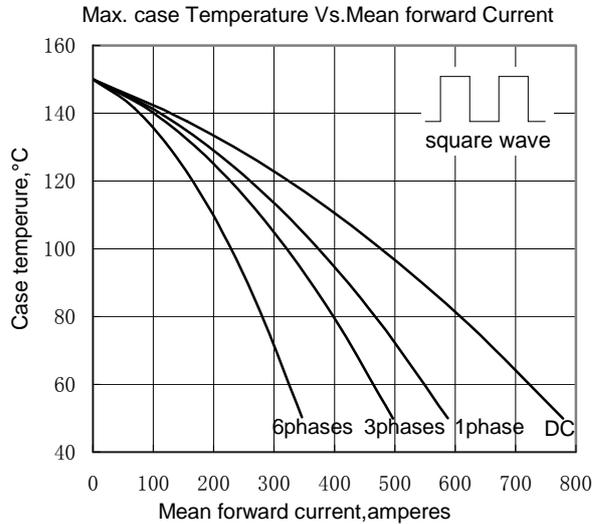


Fig.6

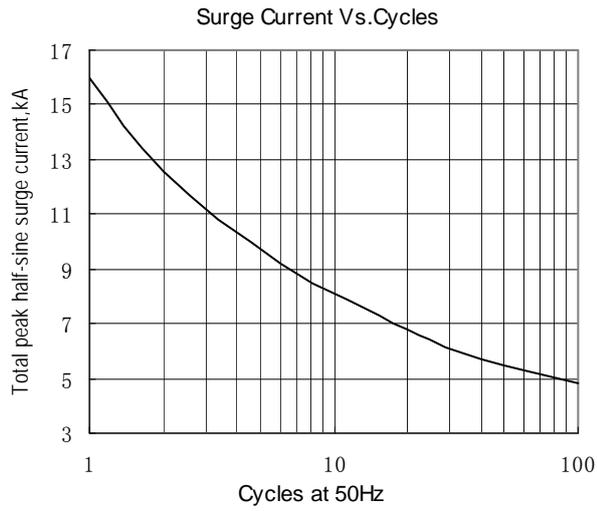


Fig.7

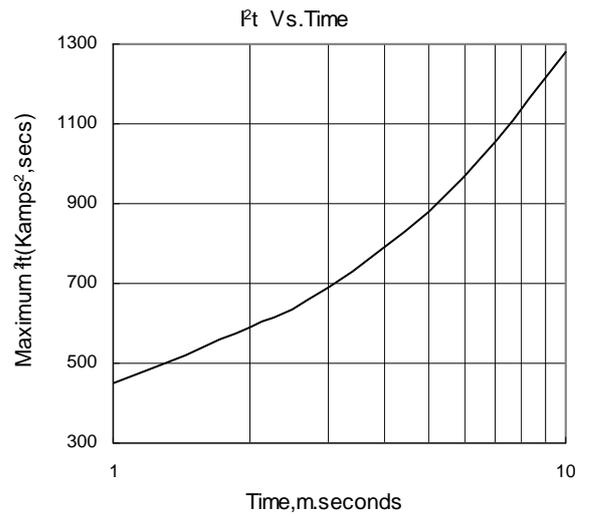


Fig.8

Outline:

