

Features:

- Isolated mounting base 3000V~
- Pressure contact technology with
- Increased power cycling capability
- Space and weight saving

Typical Applications

- Various rectifiers
- DC supply for PWM inverter

V_{RSM}	V_{RRM}	Type & Outline
2100V	2000V	MD1100-20-432F2
2300V	2200V	MD1100-22-432F2
2500V	2400V	MD1100-24-432F2
2700V	2600V	MD1100-26-432F2
2900V	2800V	MD1100-28-432F2

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, $T_c=100^{\circ}C$	150			1100	A
$I_{F(RMS)}$	RMS forward current		150			1727	A
I_{RRM}	Repetitive peak current	at V_{RRM}	150			50	mA
I_{FSM}	Surge forward current	10ms half sine wave $V_R=0.6V_{RRM}$	150			34.0	KA
I^2t	I^2t for fusing coordination					5780	$A^2s \cdot 10^3$
V_{FO}	Threshold voltage		150			0.70	V
r_F	Forward slop resistance					0.12	m Ω
V_{FM}	Peak forward voltage	$I_{FM}=3000A$	25			1.20	V
$R_{th(j-c)}$	Thermal resistance Junction to case	per module				0.042	$^{\circ}C/W$
$R_{th(c-h)}$	Thermal resistance case to heatsink	per module				0.020	$^{\circ}C/W$
V_{iso}	Isolation voltage	50Hz, R.M.S., $t=1min, I_{iso}: 1mA(max)$		3000			V
F_m	Terminal connection torque(M16)				18.0		N·m
	Mounting torque(M6)				6		N·m
T_{stg}	Stored temperature			-40		125	$^{\circ}C$
W_t	Weight				2700		g
Outline	432F2						

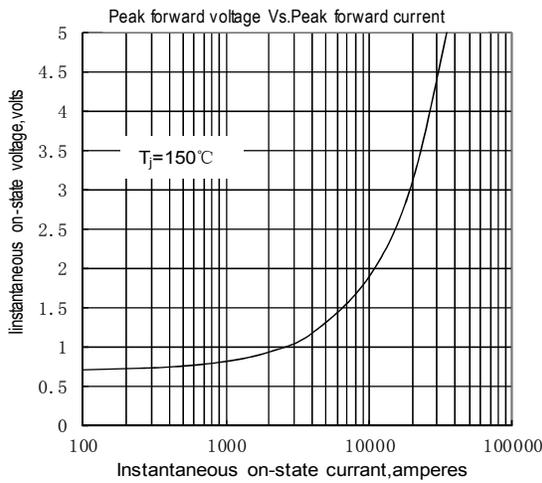


Fig.1

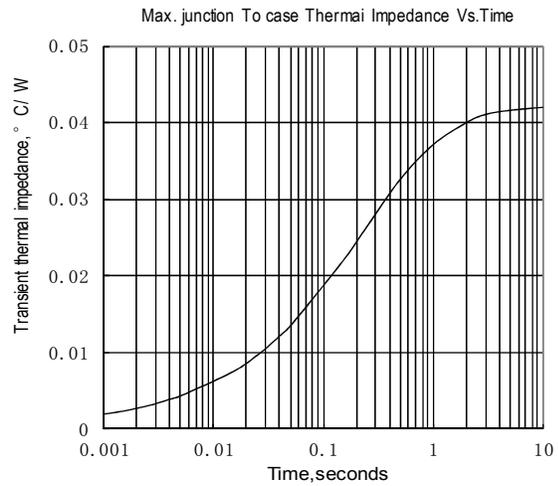


Fig.2

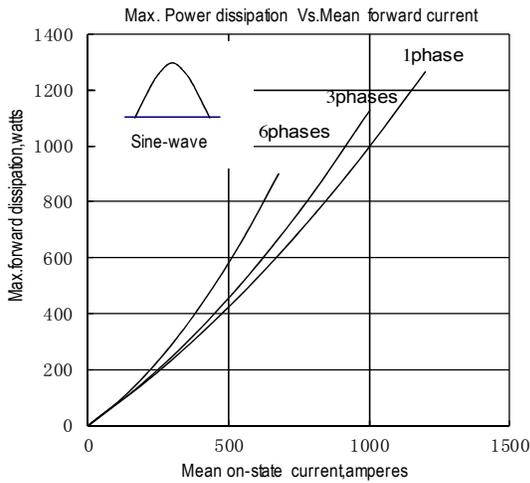


Fig.3

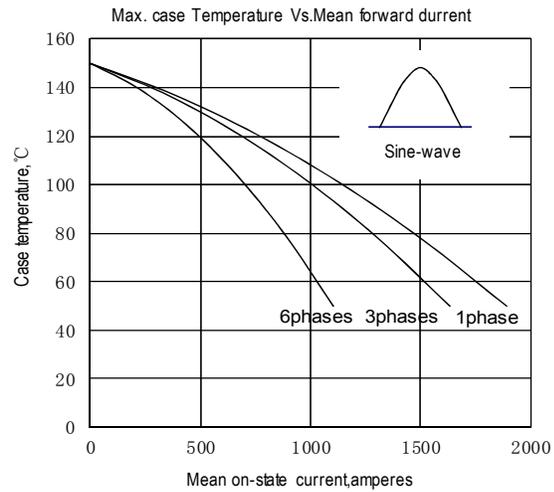


Fig.4

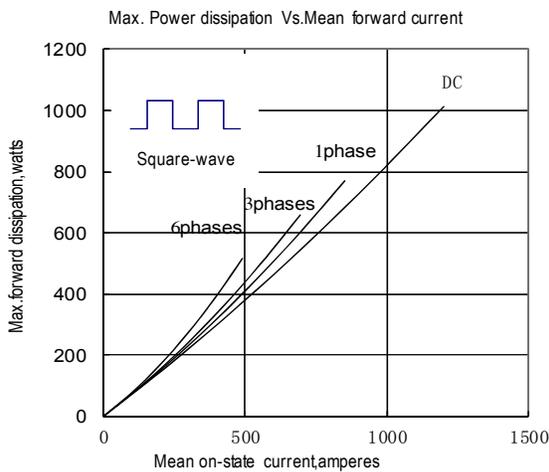


Fig.5

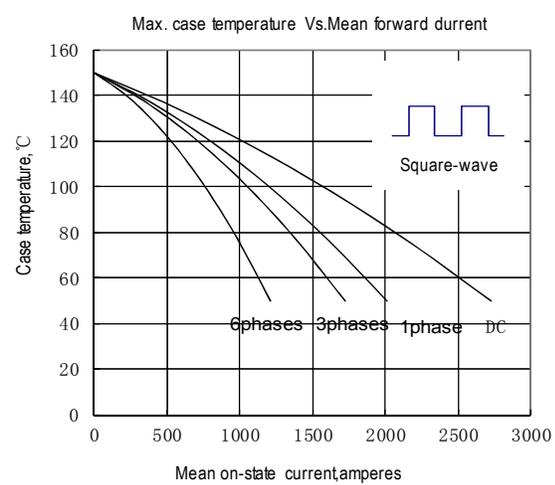


Fig.6

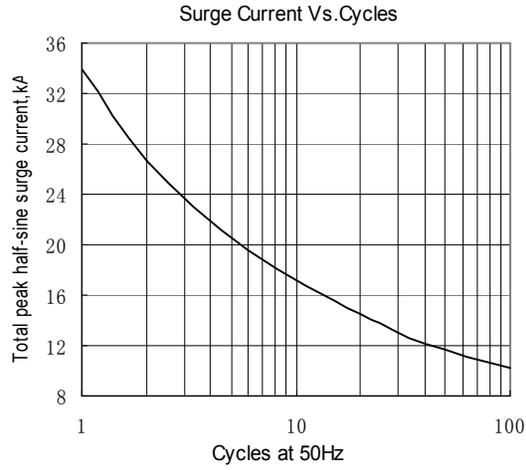


Fig.7

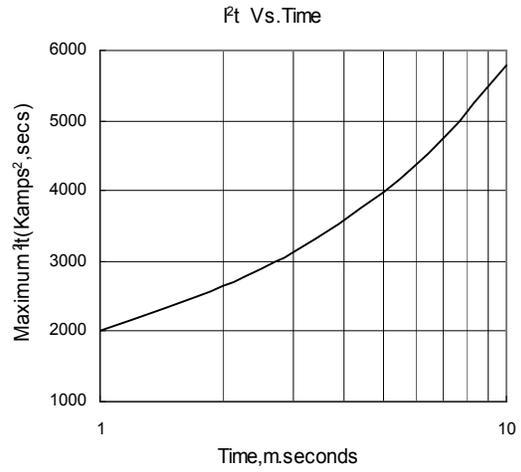
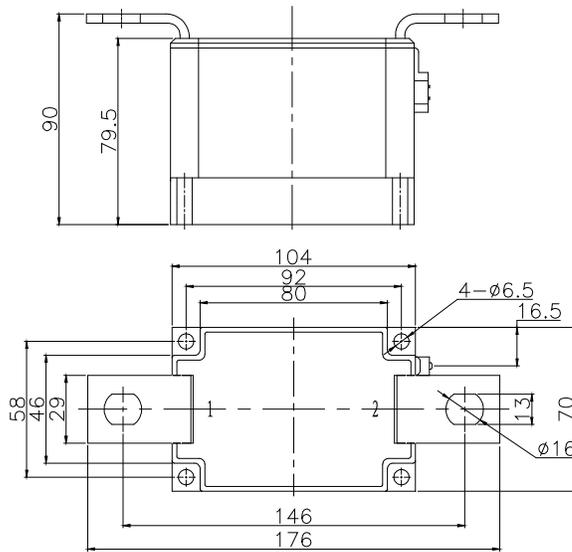


Fig.8

Outline:



432F2

