

**Features :**

- Isolated mounting base 4000V~
- Pressure contact technology with Increased power cycling capability
- Space and weight saving

**Typical Applications**

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

$V_{RSM}$	$V_{RRM}$	Type
2700V	2600V	Mx600D260W
2900V	2800V	Mx600D280W
3100V	3000V	Mx600D300W
3300V	3200V	Mx600D320W
3500V	3400V	Mx600D340W
3700V	3600V	Mx600D360W

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	$T_j$ (°C)	VALUE			UNIT
				Min	Type	Max	
$I_{F(AV)}$	Mean forward current	180° half sine wave 50Hz Single side water cooled, $T_c=60^\circ\text{C}$	150			600	A
$I_{F(RMS)}$	RMS forward current		150			942	A
$I_{RRM}$	Repetitive peak current	at $V_{RRM}$	150			45	mA
$I_{FSM}$	Surge forward current	10ms half sine wave $V_R=0.6V_{RRM}$	150			10.0	kA
$I^2t$	$I^2t$ for fusing coordination					500	$\text{A}^2\text{s}\cdot 10^3$
$V_{FO}$	Threshold voltage		150			0.95	V
$r_F$	Forward slope resistance					0.91	m $\Omega$
$V_{FM}$	Peak forward voltage	$I_{FM}=1800\text{A}$	25			2.79	V
$R_{th(j-c)}$	Thermal resistance Junction to case	Single side cooled per chip				0.065	°C/W
$R_{th(c-h)}$	Thermal resistance case to heat sink	Single side cooled per chip				0.024	°C/W
$V_{iso}$	Isolation voltage	50Hz, R.M.S, t=1min, $I_{iso}$ : 1mA(max)		4000			V
$F_m$	Terminal connection torque(M12)				14.0		N·m
	Mounting torque(M8)				12.0		N·m
$T_{stg}$	Stored temperature			-40		125	°C
$W_t$	Weight				3460		g
<b>Outline</b>	M15						

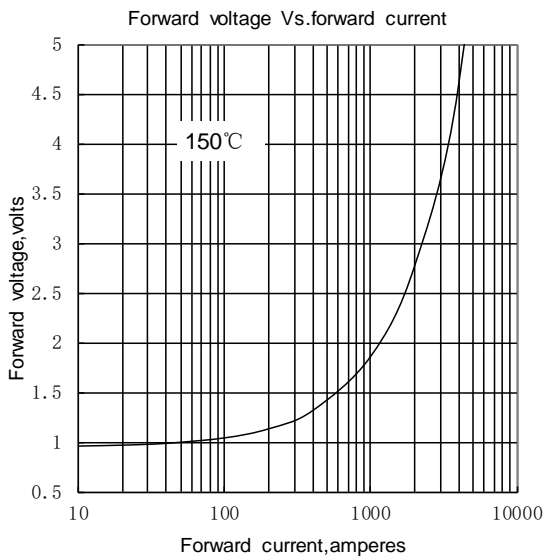


Fig.1

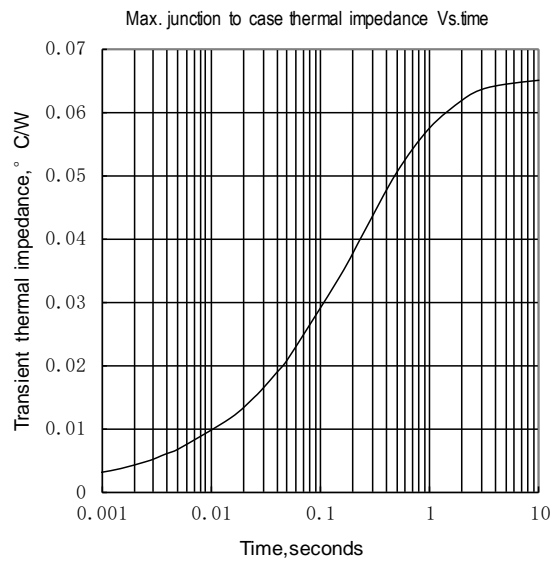


Fig.2

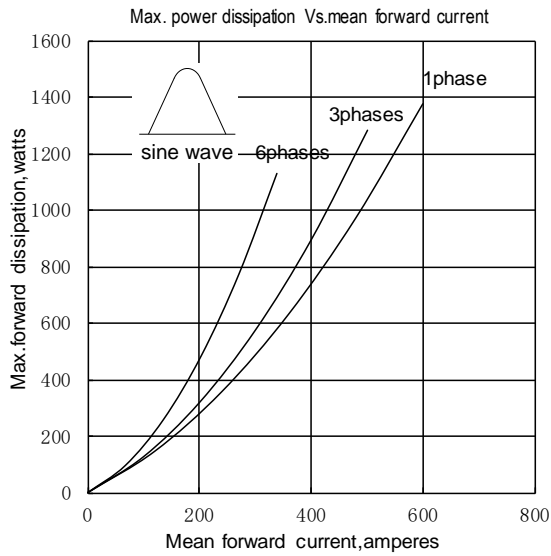


Fig.3

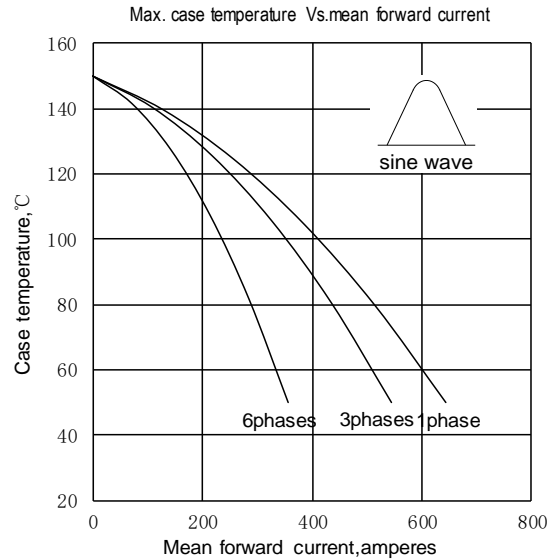


Fig.4

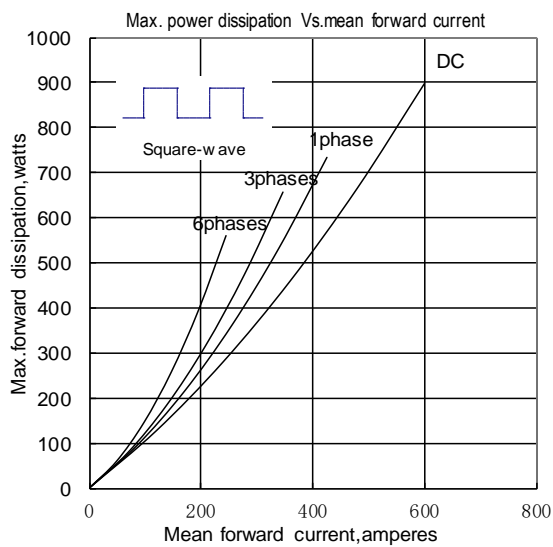


Fig.5

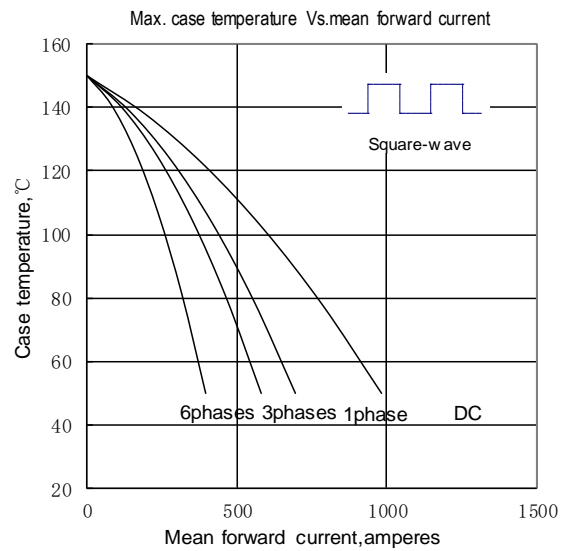
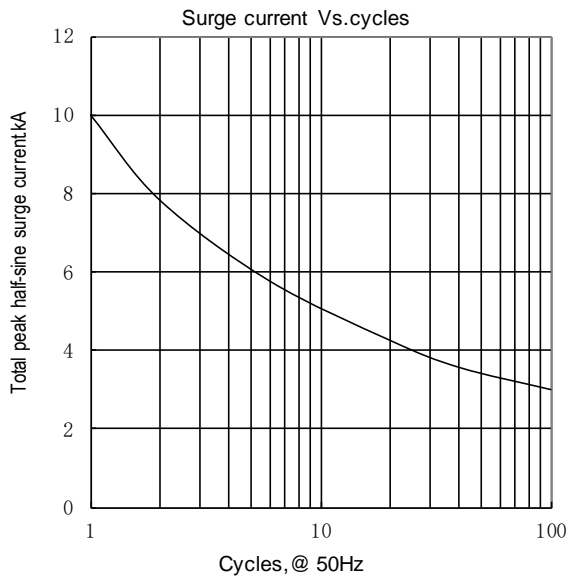
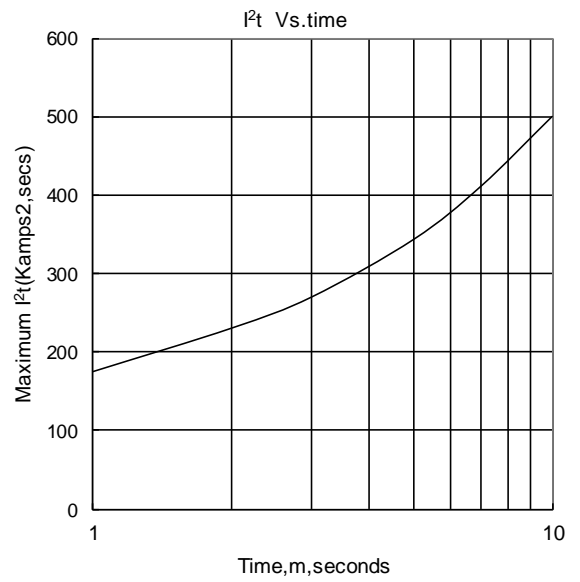


Fig.6



**Fig.7**



**Fig.8**

**Outline:**

