

**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	Mx400D260W
2900V	2800V	Mx400D280W
3100V	3000V	Mx400D300W
3300V	3200V	Mx400D320W
3500V	3400V	Mx400D340W
3700V	3600V	Mx400D360W

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	$T_j(^{\circ}\text{C})$	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			400	A
$I_{F(RMS)}$	RMS forward current		150			628	A
$I_{RRM}$	Repetitive peak current	at $V_{RRM}$	150			35	mA
$I_{FSM}$	Surge forward current	10ms half sine wave $V_R=0.6V_{RRM}$	150			8.1	kA
$I^2t$	$I^2t$ for fusing coordination					328	$\text{A}^2\text{s}\cdot 10^3$
$V_{FO}$	Threshold voltage		150			0.95	V
$r_F$	Forward slope resistance					1.05	m $\Omega$
$V_{FM}$	Peak forward voltage	$I_{FM}=1200\text{A}$	25			2.41	V
$R_{th(j-c)}$	Thermal resistance Junction to case	Single side cooled per chip				0.11	$^{\circ}\text{C}/\text{W}$
$R_{th(c-h)}$	Thermal resistance case to heat sink	Single side cooled per chip				0.04	$^{\circ}\text{C}/\text{W}$
$V_{iso}$	Isolation voltage	50Hz, R.M.S, $t=1\text{min}$ , $I_{iso}:1\text{mA}(\text{max})$		4000			V
$F_m$	Terminal connection torque(M10)				12.0		N·m
	Mounting torque(M6)				6.0		N·m
$T_{stg}$	Stored temperature			-40		125	$^{\circ}\text{C}$
$W_t$	Weight				1560		g
Outline	M14						

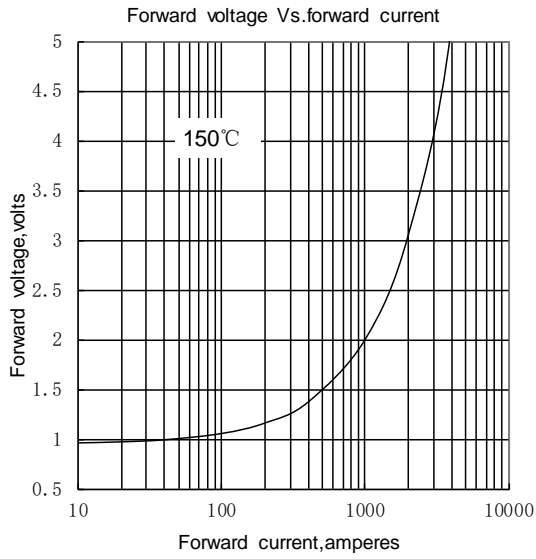


Fig.1

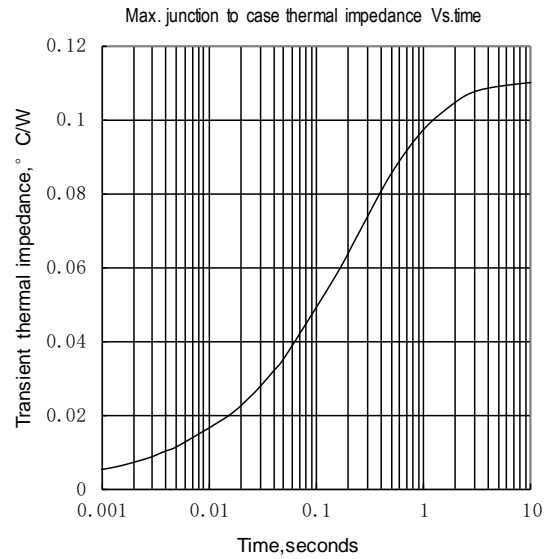


Fig.2

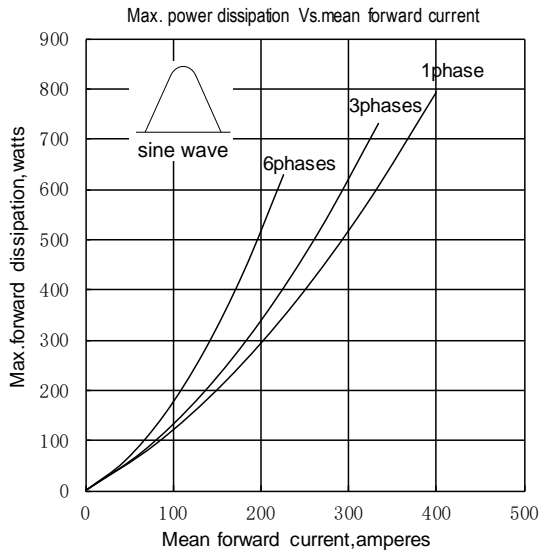


Fig.3

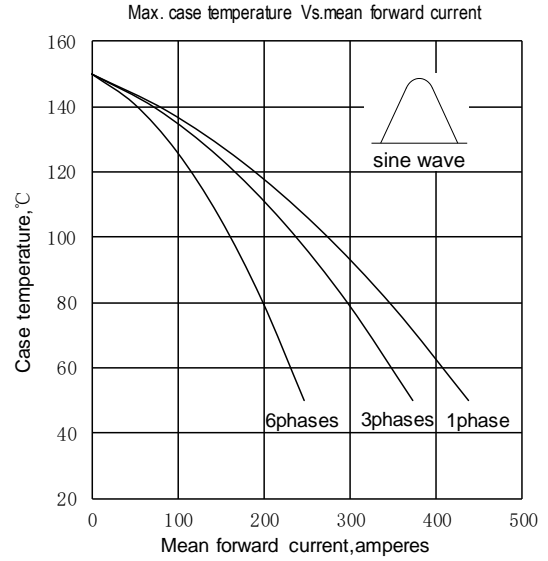


Fig.4

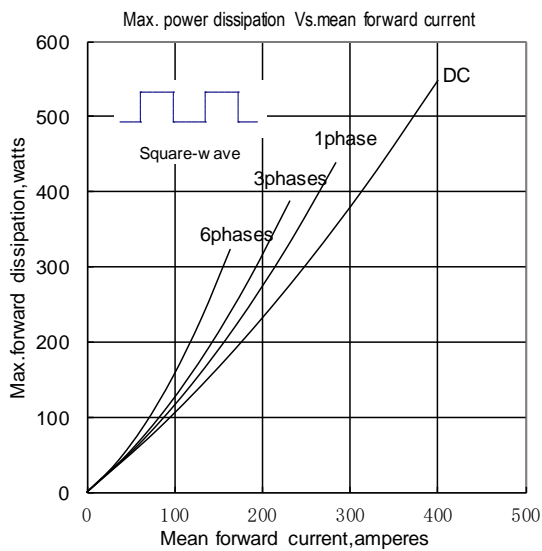


Fig.5

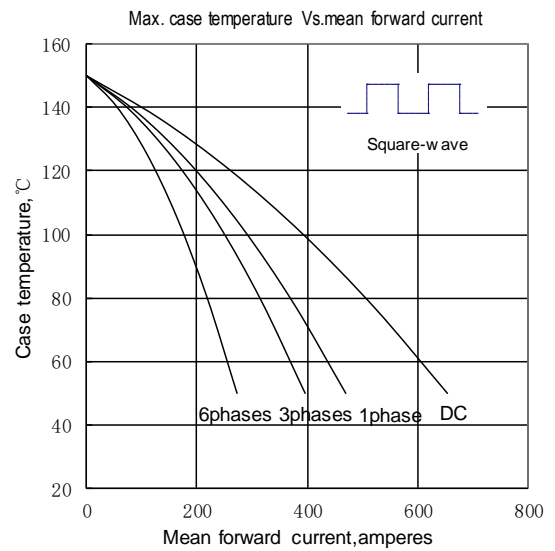


Fig.6

