

## Features:

- Isolated mounting base 3000V~
- 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

$V_{RSM}$	$V_{RRM}$	品名
2100V	2000V	Mx600D200W
2300V	2200V	Mx600D220W
2600V	2500V	Mx600D250W

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	$T_j(^{\circ}C)$	VALUE			UNIT
				Min.	Typ.	Max.	
$I_{F(AV)}$	Mean forward current	180° half sine wave 50Hz Single side water cooled, $T_C=60^{\circ}C$	150			600	A
$I_{F(RMS)}$	RMS forward current		150			942	A
$I_{RRM}$	Repetitive peak current	at $V_{RRM}$	150			40	mA
$I_{FSM}$	Surge forward current	$V_R=60\%V_{RRM}$ , $t=10ms$ half sine	150			19.0	kA
$I^2t$	$I^2t$ for fusing coordination					1805	$10^3A^2s$
$V_{FO}$	Threshold voltage		150			0.75	V
$r_F$	Forward slope resistance					0.32	m $\Omega$
$V_{FM}$	Peak forward voltage	$I_{FM}=1800A$	25			1.53	V
$R_{th(j-c)}$	Thermal resistance Junction to case	D.C. Single side cooled per chip				0.085	$^{\circ}C/W$
$R_{th(c-h)}$	Thermal resistance case to heat sink	D.C. Single side cooled per chip				0.088	$^{\circ}C/W$
$V_{iso}$	Isolation voltage	50Hz, R.M.S, $t=1min$ , $I_{isc}:1mA(max)$		3000			V
$F_m$	Terminal connection torque(M10)			10.0		12.0	N·m
	Mounting torque(M6)			4.5		6.0	N·m
$T_{stg}$	Stored temperature			-40		125	$^{\circ}C$
$W_t$	Weight				1750		g
Outline	M14						

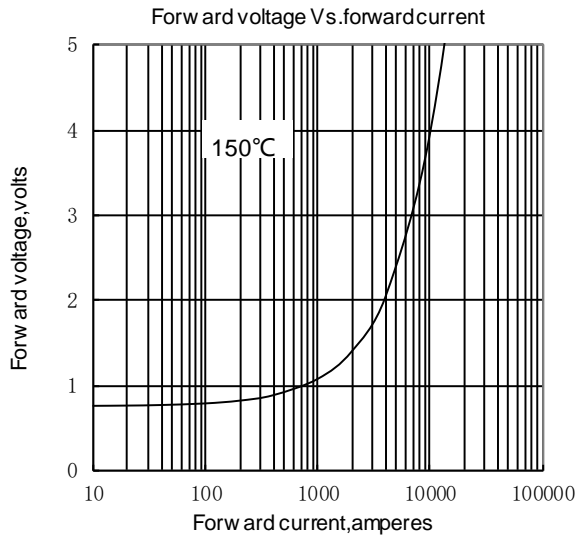


Fig. 1

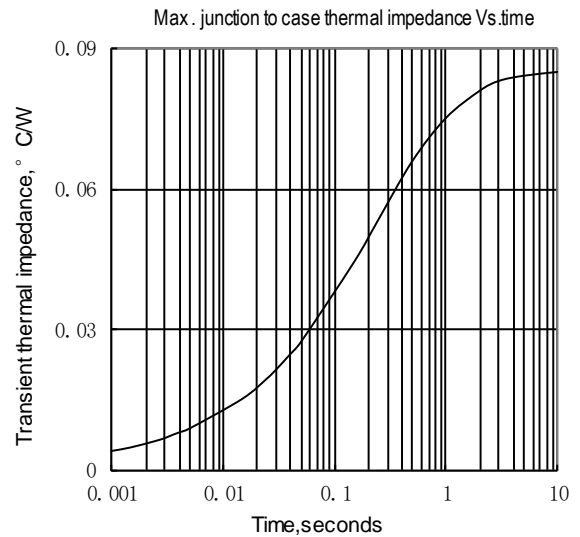


Fig. 2

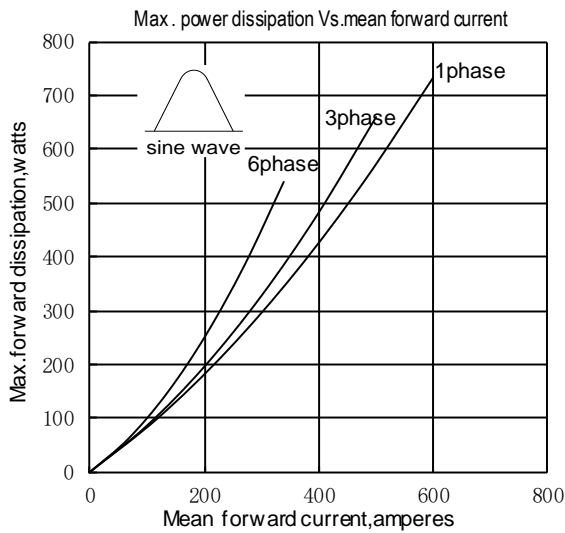


Fig. 3

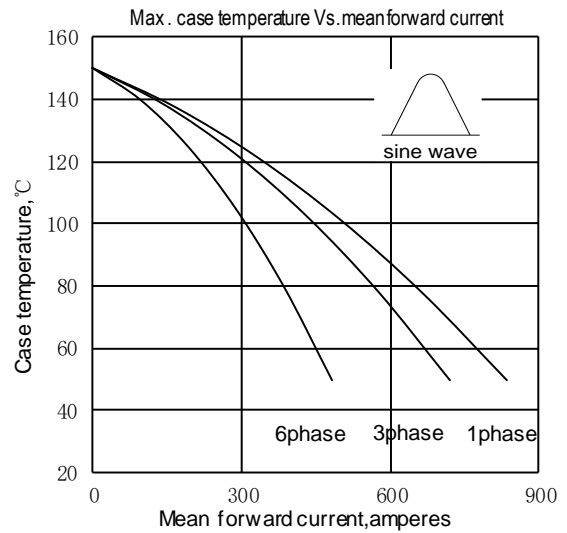


Fig. 4

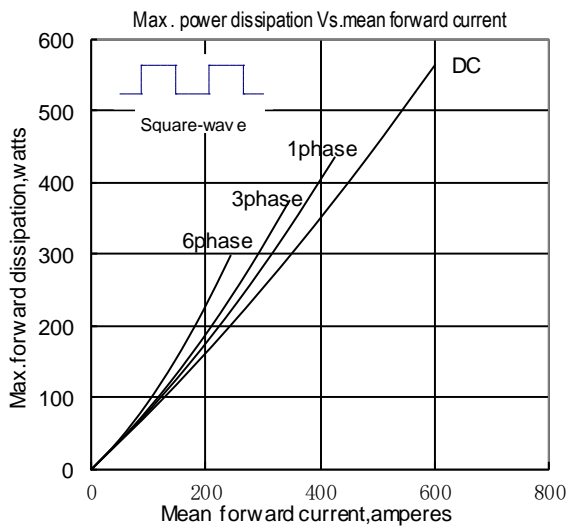


Fig. 5

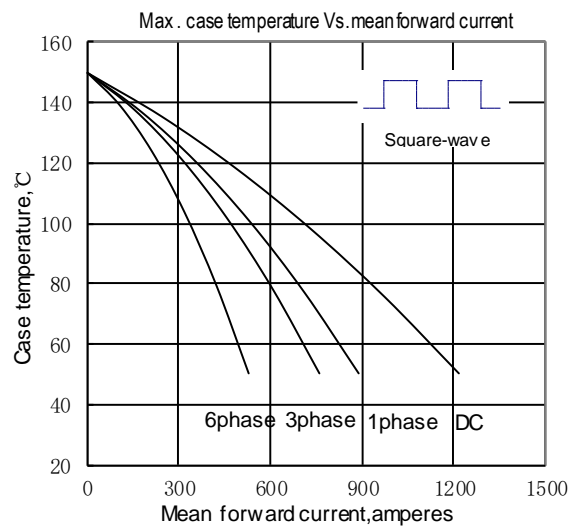


Fig. 6

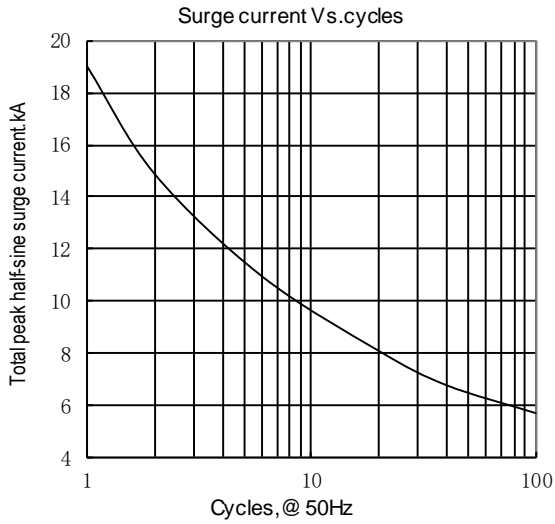
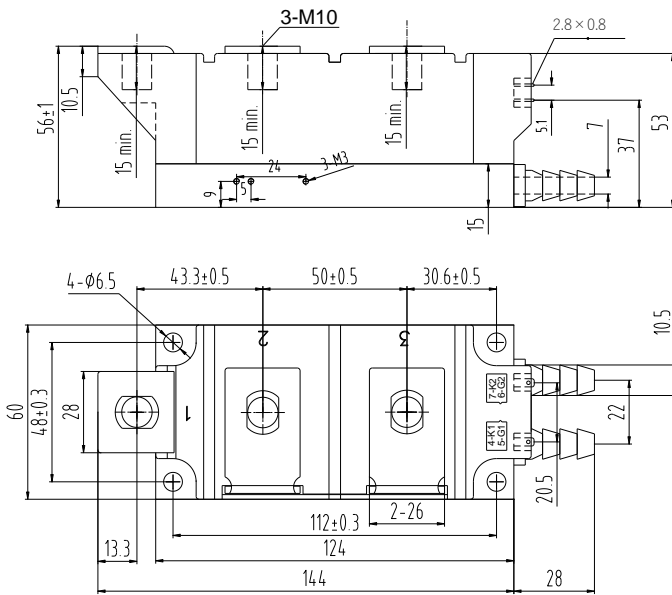
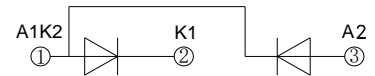


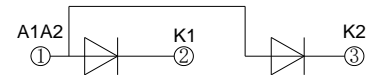
Fig.7



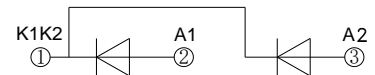
MD600D\*\*W



MR600D\*\*W



MC600D\*\*W



Unmarked dimensional tolerance : ±0.5mm