

**Features :**

- Non-Isolated. Mounting base as anode or cathode terminal
- Pressure contact technology with Increased power cycling capability
- Low forward voltage drop

**Typical Applications**

- Welding Power Supply
- Various DC Power supplies
- DC supply for PWM inverter

$V_{RSM}$	$V_{RRM}$	Type
900V	800V	Mx200D80N*
1100V	1000V	Mx200D100N*
1300V	1200V	Mx200D120N*
1500V	1400V	Mx200D140N*
1700V	1600V	Mx200D160N*
1900V	1800V	Mx200D180N*

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			200	A
$I_{F(RMS)}$	RMS forward current		150			314	A
$I_{RRM}$	Repetitive peak current	at $V_{RRM}$	150			8	mA
$I_{FSM}$	Surge forward current	10ms half sine wave $V_R=0.6V_{RRM}$	150			6.2	kA
$I^2t$	$I^2t$ for fusing coordination					192	$A^2s \cdot 10^3$
$V_{FO}$	Threshold voltage		150			0.80	V
$r_F$	Forward slope resistance					0.96	m $\Omega$
$V_{FM}$	Peak forward voltage	$I_{FM}=600A$	25			1.50	V
$R_{th(j-c)}$	Thermal resistance Junction to case	Single side cooled				0.20	$^{\circ}C/W$
$R_{th(c-h)}$	Thermal resistance case to heatsink	Single side cooled				0.10	$^{\circ}C/W$
$F_m$	Terminal connection torque(M6)				6.0		N·m
	Mounting torque(M6)				6.0		N·m
$T_{stg}$	Stored temperature			-40		125	$^{\circ}C$
$W_t$	Weight				280		g
<b>Outline</b>	M10						

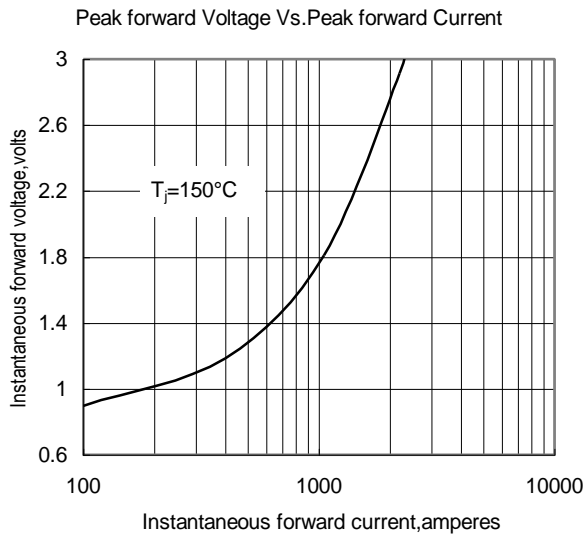


Fig.1

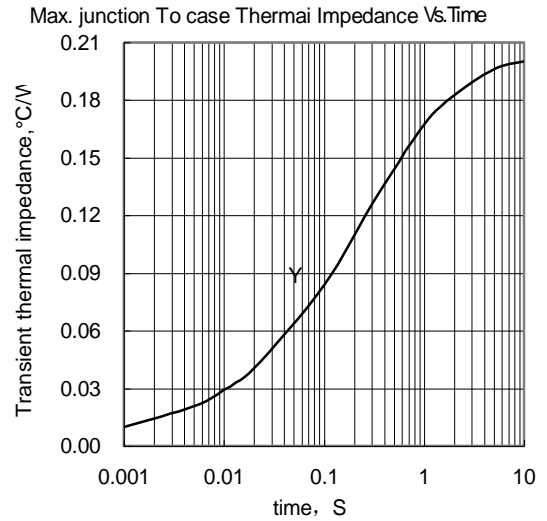


Fig.2

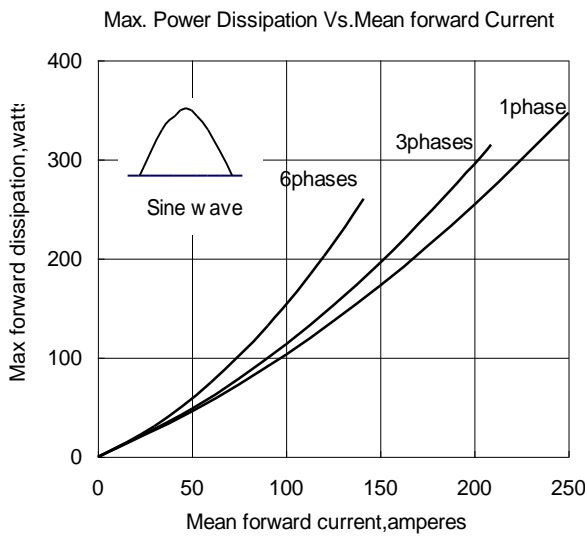


Fig.3

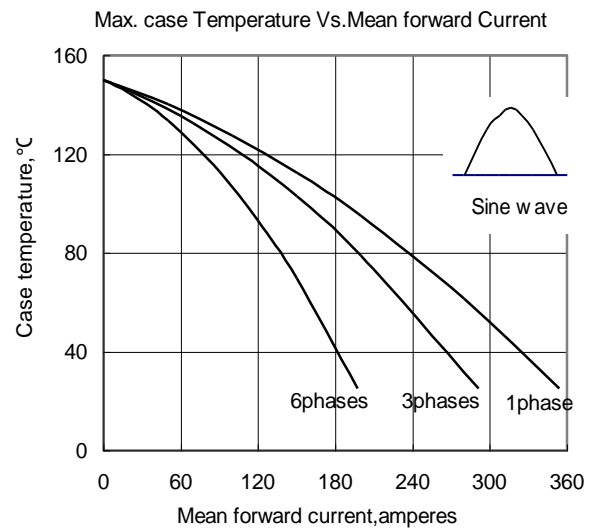


Fig.4

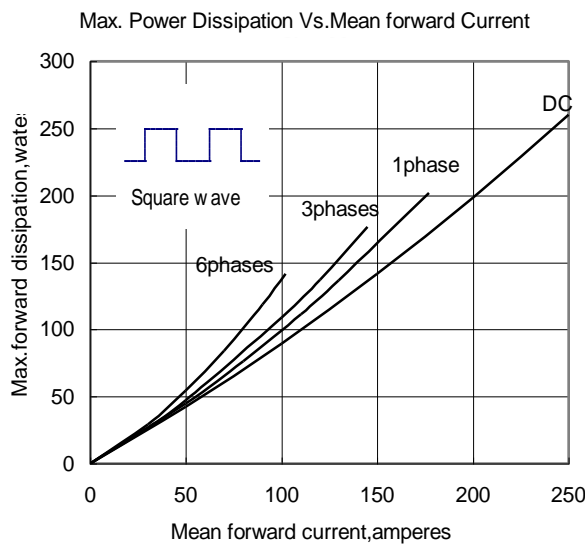


Fig.5

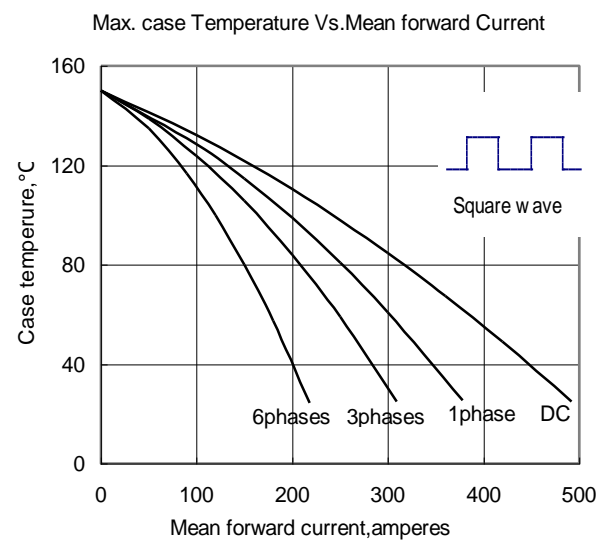


Fig.6

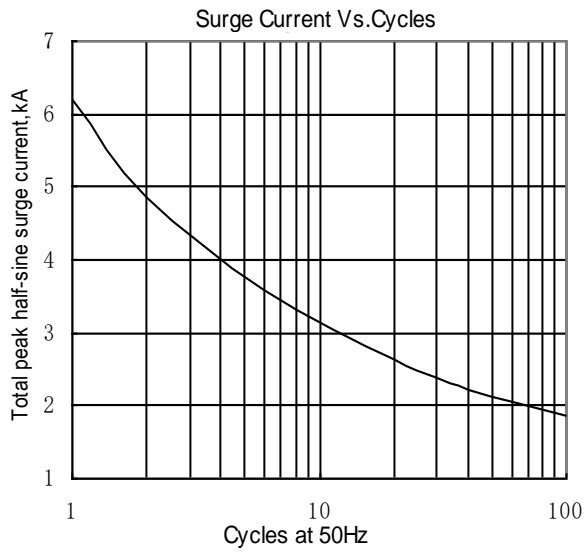


Fig.7

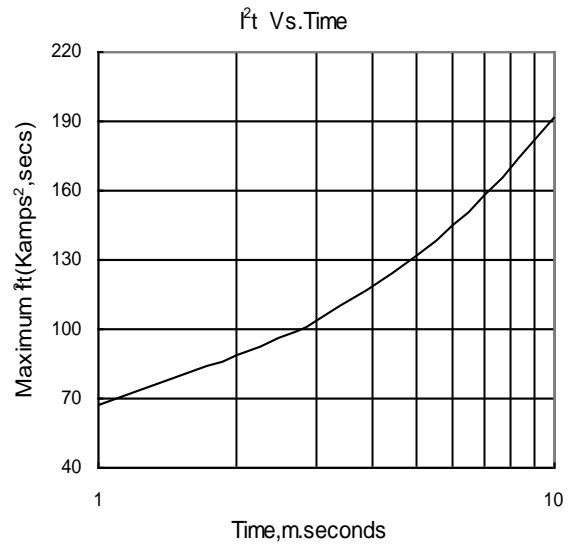
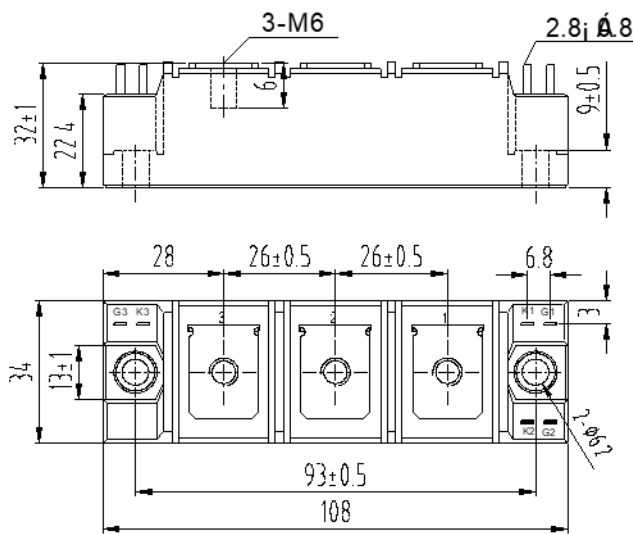
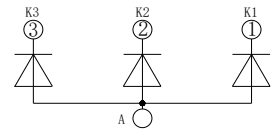


Fig.8

Outline:



ME200D\*NK



MF200D\*NA

