

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	Mx250D80N*
1100V	1000V	Mx250D100N*
1300V	1200V	Mx250D120N*
1500V	1400V	Mx250D140N*
1700V	1600V	Mx250D160N*
1900V	1800V	Mx250D180N*

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			250	A
$I_{F(RMS)}$	RMS forward current		150			393	A
I_{RRM}	Repetitive peak current	at V_{RRM}	150			20	mA
I_{FSM}	Surge forward current	10ms half sine wave $V_R=0.6V_{RRM}$	150			7.80	KA
I^2t	I^2t for fusing coordination					304	$A^2s \cdot 10^3$
V_{FO}	Threshold voltage		150			0.80	V
r_F	Forward slope resistance					0.87	m Ω
V_{FM}	Peak forward voltage	$I_{FM}=750A$	25			1.53	V
$R_{th(j-c)}$	Thermal resistance Junction to case	Single side cooled				0.150	$^{\circ}C/W$
$R_{th(c-h)}$	Thermal resistance case to heatsink	Single side cooled				0.04	$^{\circ}C/W$
F_m	Terminal connection torque(M8)				12.0		N·m
	Mounting torque(M6)				6.0		N·m
T_{stg}	Stored temperature			-40		125	$^{\circ}C$
W_t	Weight				590		g
Outline	M11						

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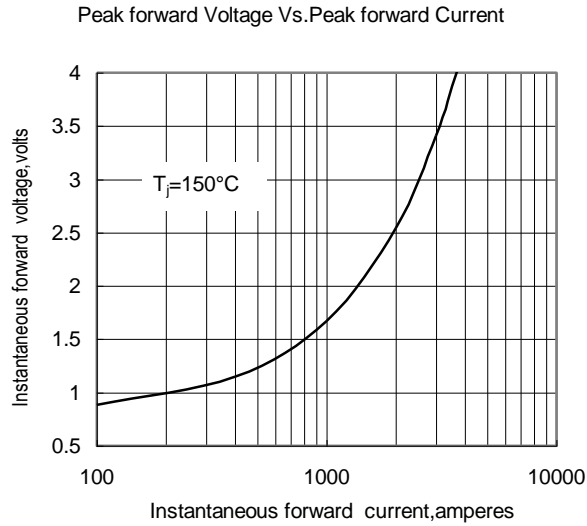


Fig.1

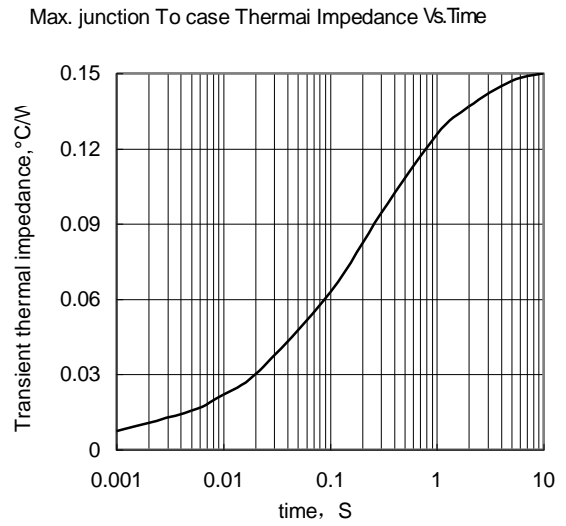


Fig.2

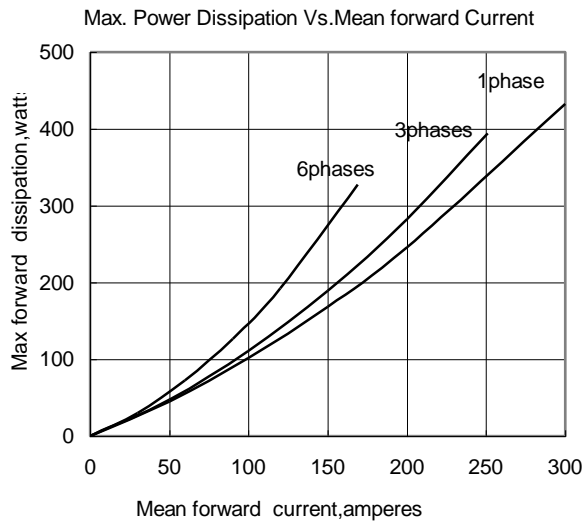


Fig.3

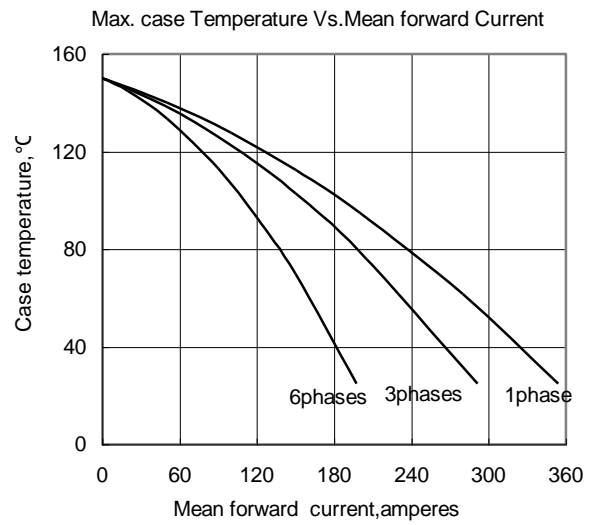


Fig.4

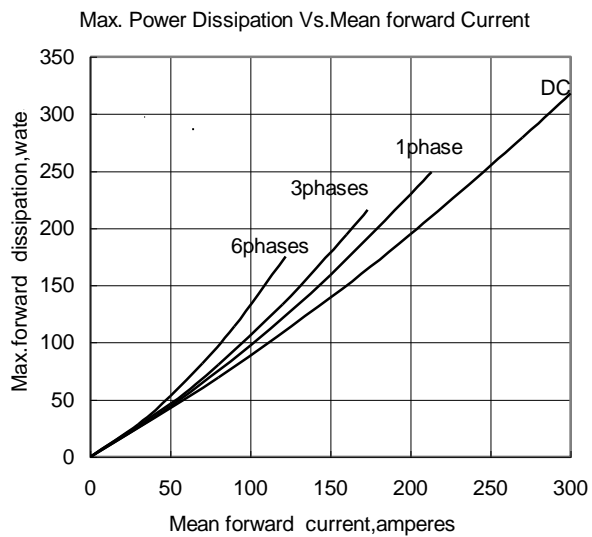


Fig.5

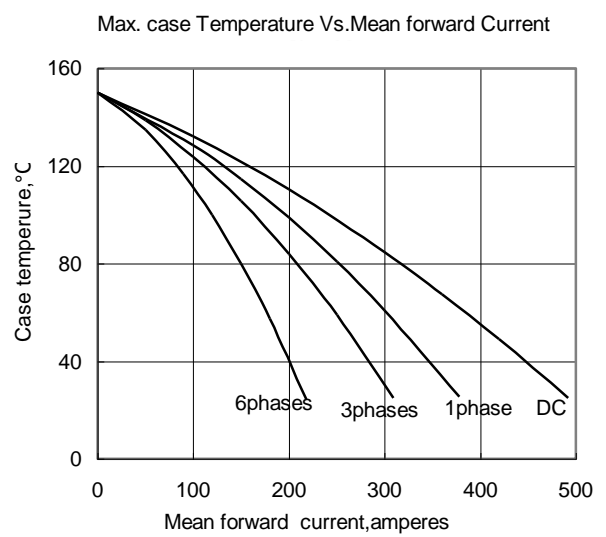


Fig.6

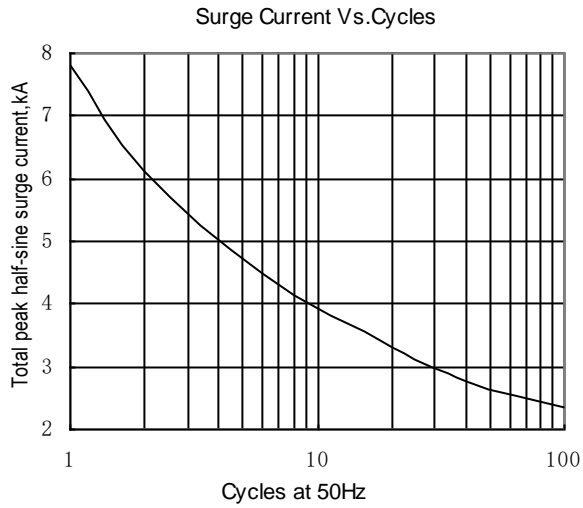


Fig.7

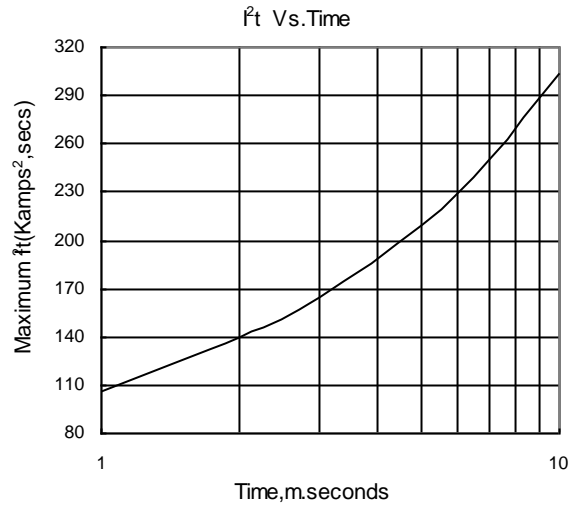
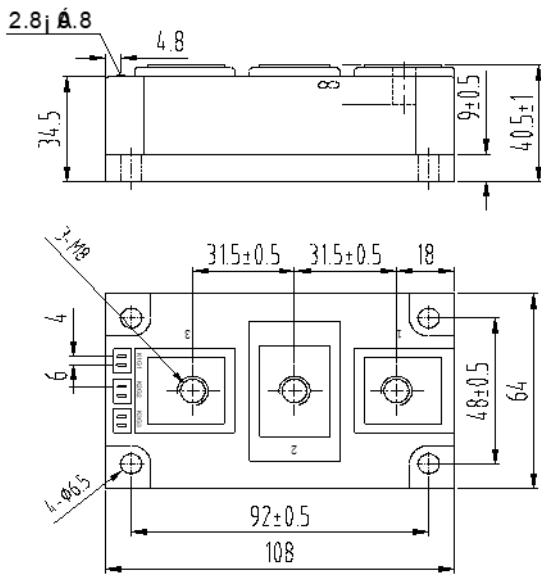
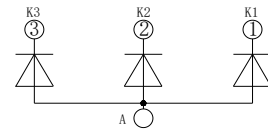


Fig.8

Outline:



ME250D*NK



MF250D*NA

