

**MDS200**

High-end Power Semiconductor Manufacturer

Three Phases Rectification Bridge Modules**Features:**

- Isolated mounting base 2500V
- Solder joint technology
- Space and weight savings

Typical Applications

- DC Power supplies for equipments.
- DC supply for PWM inverter
- Inverter Welder

I_o	200 A
V_{RRM}	600~2200 V
I_{FSM}	1.50 KA
I^2t	11.25$10^3A^2S$

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	$T_j(^{\circ}C)$	VALUE			UNIT
				Min	Type	Max	
I_o	DC output current	Three-phase full wave rectifying circuit, $T_C=100^{\circ}C$	150			200	A
I_{RRM}	Repetitive peak current	at V_{RRM}	150			12	mA
I_{FSM}	Surge forward current	10ms half sine wave $V_R=0$	150			1.5	kA
I^2t	I^2t for fusing coordination					11.25	10^3A^2s
V_{FO}	Threshold voltage		150			0.75	V
r_F	Forward slope resistance					2.0	mW
V_{FM}	Peak forward voltage	$I_{FM}=200A$	25			1.50	V
$R_{th(j-c)}$	Thermal resistance Junction to case	Single side cooled, per total				0.10	$^{\circ}C/W$
$R_{th(c-h)}$	Thermal resistance case to heatsink	Single side cooled, per total				0.07	$^{\circ}C/W$
V_{iso}	Isolation voltage	50Hz,R.M.S, $t=1min, I_{iso}:1mA(max)$		2500			V
F_m	Terminal connection torque(M6)			4.5		6.0	N·m
	Mounting torque(M6)			4.5		6.0	N·m
T_{vj}	Junction temperature			-40		150	$^{\circ}C$
T_{stg}	Stored temperature			-40		125	$^{\circ}C$
W_t	Weight				240		g
Outline	T15						

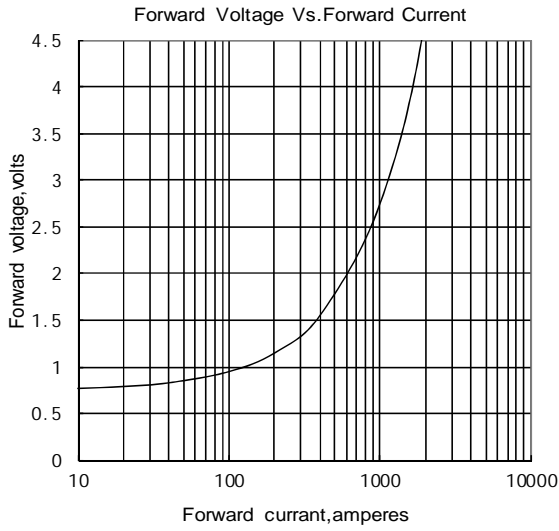


Fig.1

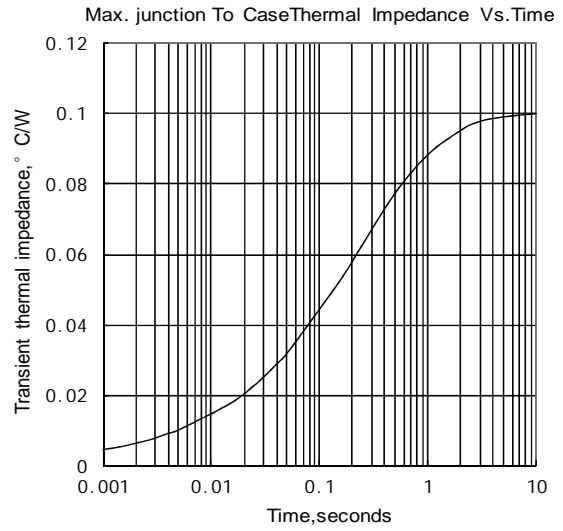


Fig.2

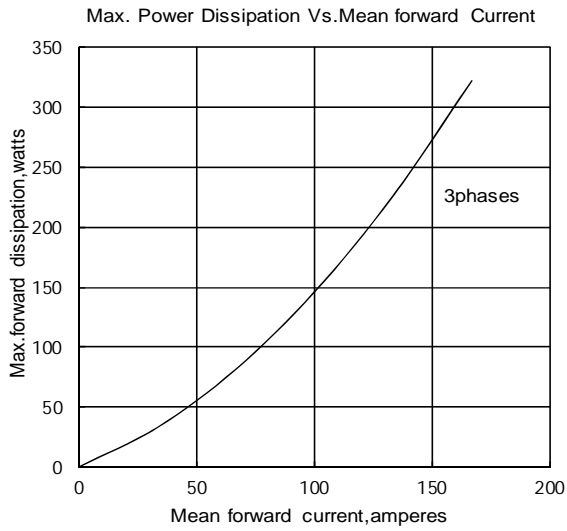


Fig.3

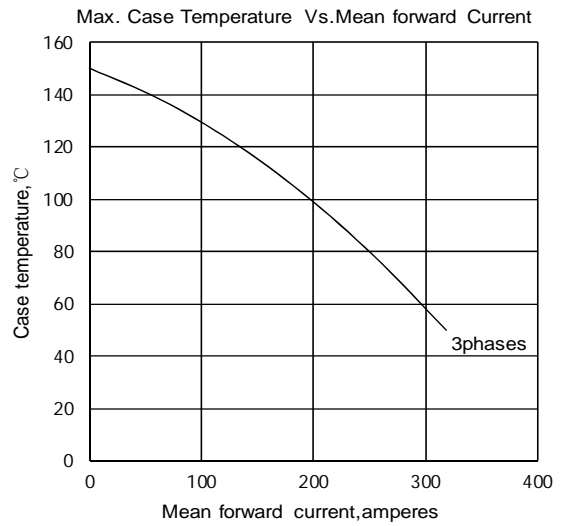


Fig.4

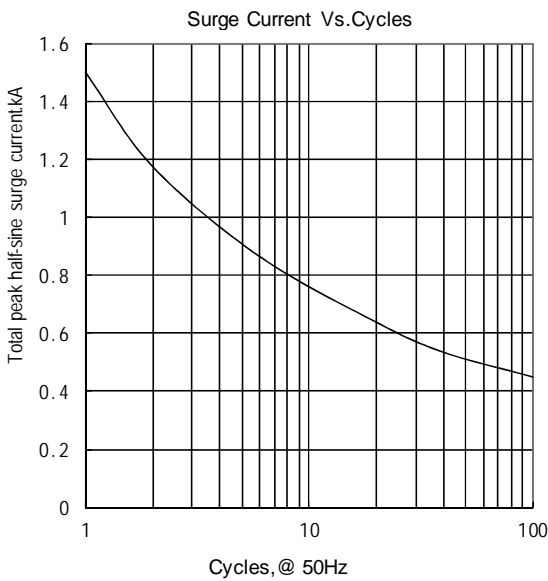


Fig.5

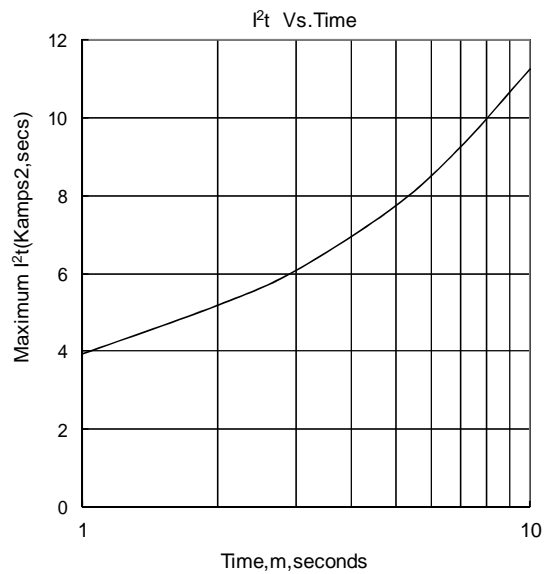
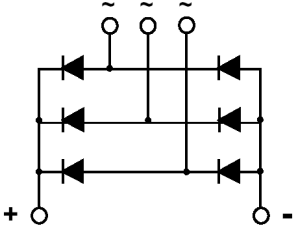
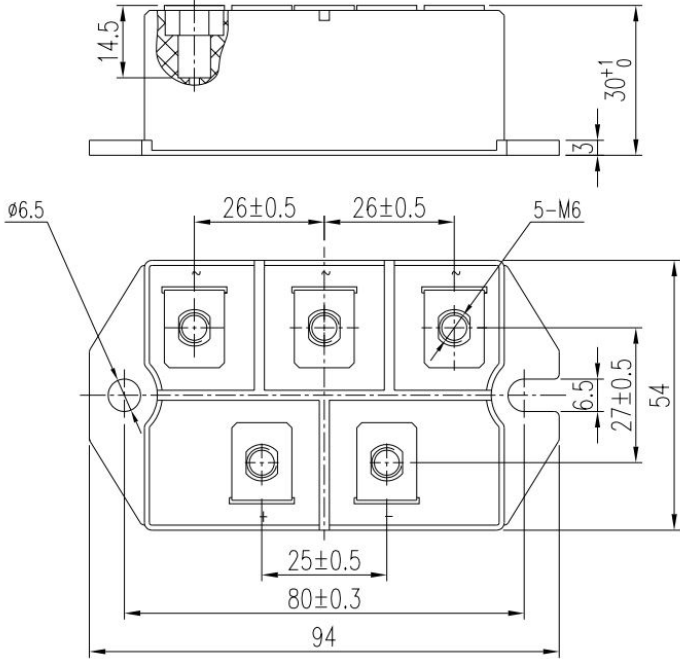


Fig.6

Outline:



Unmarked dimensional tolerance: ±0.5mm

T15