

**Features :**

- Isolated mounting base 2500V~
- Solder joint technology with Increased power cycling capability
- Space and weight savings

**Typical Applications**

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

$V_{RSM}$	$V_{RRM}$	Type
900V	800V	MT200D80xS
1100V	1000V	MT200D100xS
1300V	1200V	MT200D120xS
1500V	1400V	MT200D140xS
1700V	1600V	MT200D160xS
1900V	1800V	MT200D180xS

SYMBOL	CHARACTERISTIC		TEST CONDITIONS	$T_j(^{\circ}\text{C})$	VALUE			UNIT
					Min	Type	Max	
$I_O$	DC output current		Three-phase full wave rectifying circuit, $T_C=100^{\circ}\text{C}$	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
$V_{FO}$	Threshold voltage			150			0.75	V
$r_F$	Forward slope resistance						2.0	$\text{m}\Omega$
$V_{FM}$	Peak forward voltage		$I_{FM}=200\text{A}$	25			1.50	V
$R_{th(j-c)}$	Thermal resistance Junction to case		Single side cooled, per total				0.10	$^{\circ}\text{C}/\text{W}$
$R_{th(c-h)}$	Thermal resistance case to heatsink		Single side cooled, per total				0.07	$^{\circ}\text{C}/\text{W}$
$V_{iso}$	Isolation voltage		50Hz, R.M.S, $t=1\text{min}$ , $I_{iso}: 1\text{mA}(\text{max})$		2500			V
$F_m$	Terminal connection Torque	(M5)	MT200D*S				4.0	N·m
		(M6)	MT200D*CS, MT200D*C2S				6.0	
	Mounting torque	(M5)	MT200D*C2S				4.0	N·m
		(M6)	MT200D*S, MT200D*CS				6.0	
$T_{stg}$	Stored temperature				-40		125	$^{\circ}\text{C}$
$W_t$	Weight		MT200D*S				250	g
			MT200D*CS				220	
			MT200D*C2S				330	
Outline	M26, M30, M28							

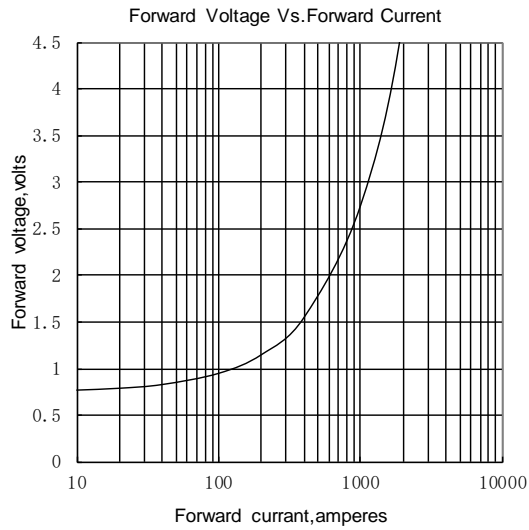


Fig.1

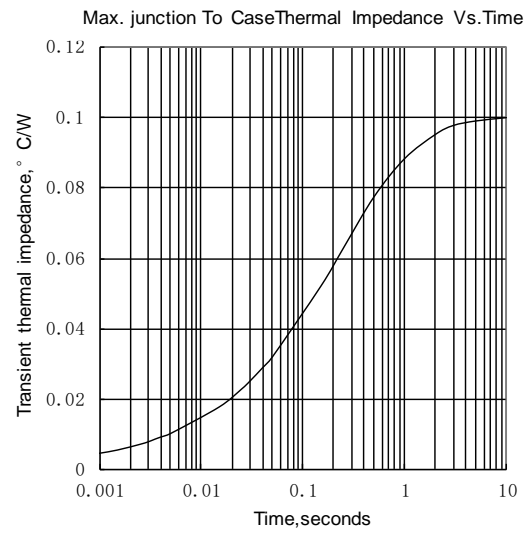


Fig.2

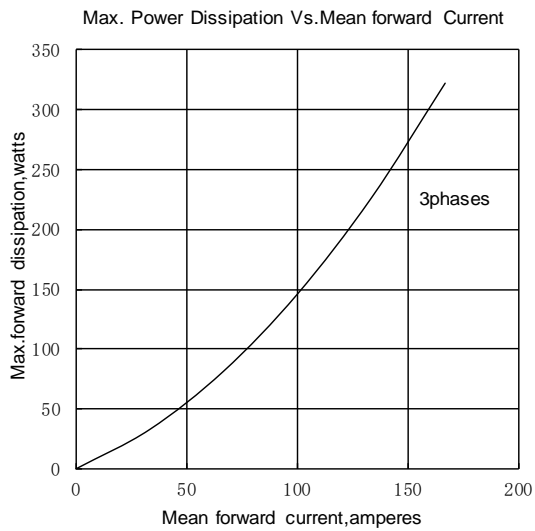


Fig.3

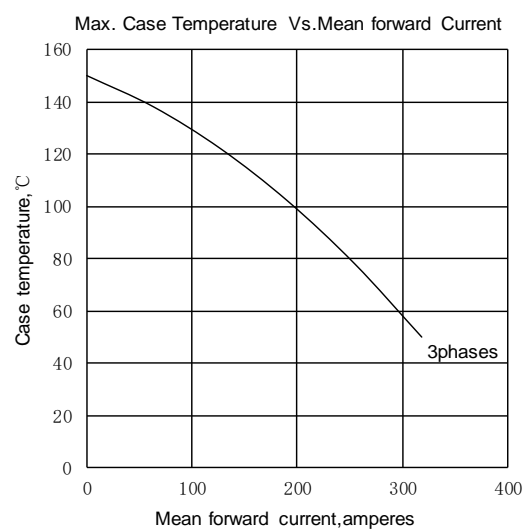


Fig.4

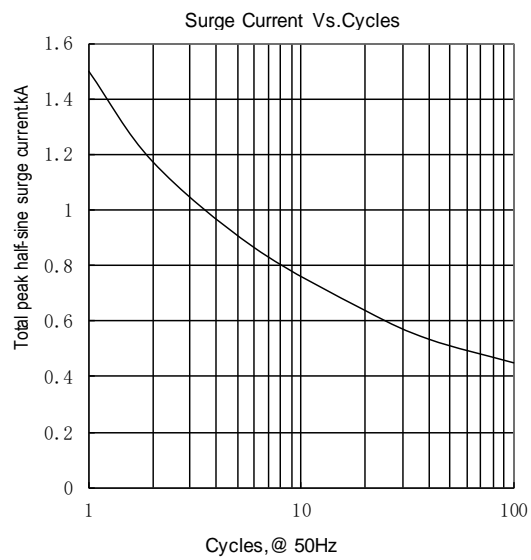


Fig.5

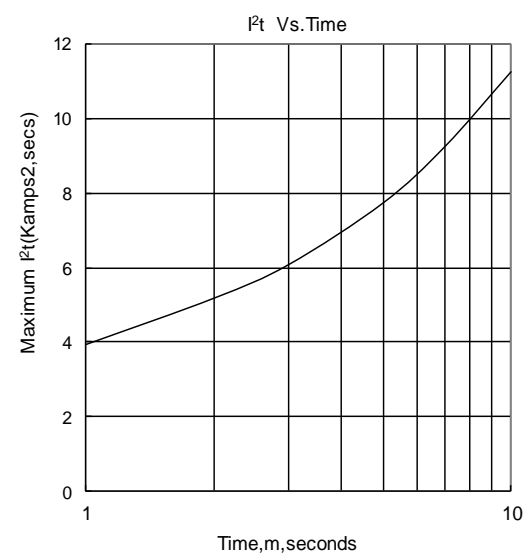
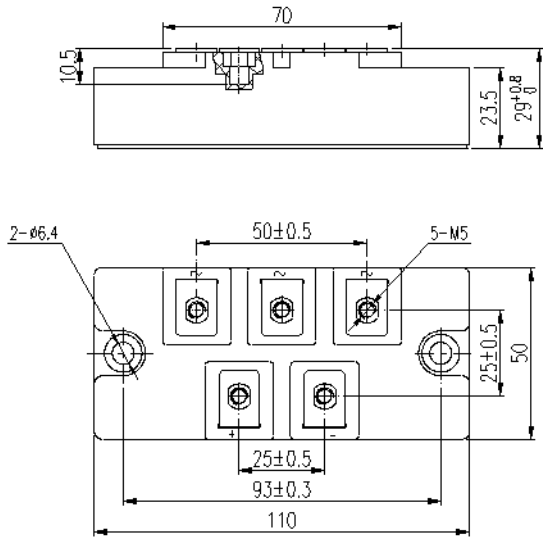


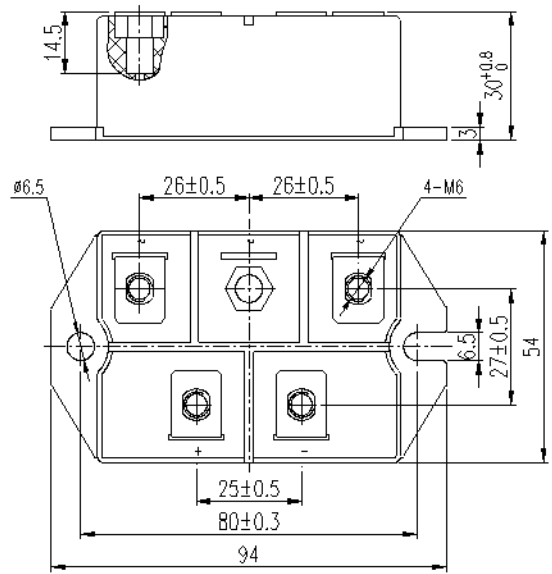
Fig.6

Outline:

MT200D\*S



MT200D\*CS



MT200D\*C2S

