

**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	MB75D80xS
1100V	1000V	MB75D100xS
1300V	1200V	MB75D120xS
1500V	1400V	MB75D140xS
1700V	1600V	MB75D160xS
1900V	1800V	MB75D180xS

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	$T_j(^{\circ}\text{C})$	VALUE			UNIT
				Min	Type	Max	
$I_O$	DC output current	Single-phase full wave rectifying circuit, $T_C=100^{\circ}\text{C}$	150			75	A
$I_{RRM}$	Repetitive peak current	at $V_{RRM}$	150			8	mA
$I_{FSM}$	Surge forward current	10ms half sine wave	150			0.6	kA
$I^2t$	$I^2T$ for fusing coordination	$V_R=0$				1.8	$\text{A}^2\text{s} \cdot 10^3$
$V_{FO}$	Threshold voltage		150			0.7	V
$r_F$	Forward slop resistance					4.2	$\text{m}\Omega$
$V_{FM}$	Peak forward voltage	$I_{FM}=120\text{A}$	25			1.38	V
$R_{th(j-c)}$	Thermal resistance Junction to case	Single side cooled, per total				0.20	$^{\circ}\text{C}/\text{W}$
$R_{th(c-h)}$	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)				4.0		N·m
	Mounting torque	(M5)			4.0		N·m
		(M6)			6.0		
$T_{stg}$	Stored temperature			-40		125	$^{\circ}\text{C}$
$W_t$	Weight	MB75*S, MB75*CS, MB75*CS2			135		g
		MB75*CS3			120		
Outline	M20, M22, M24, M18						

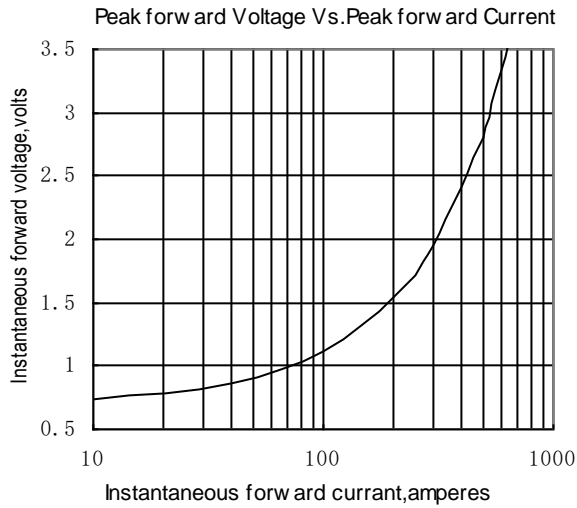


Fig.1

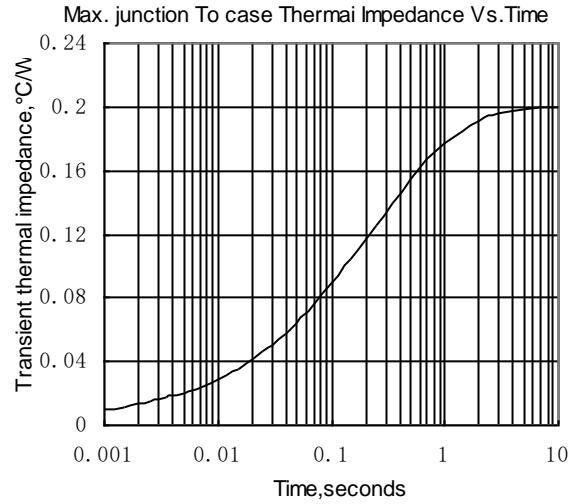


Fig.2

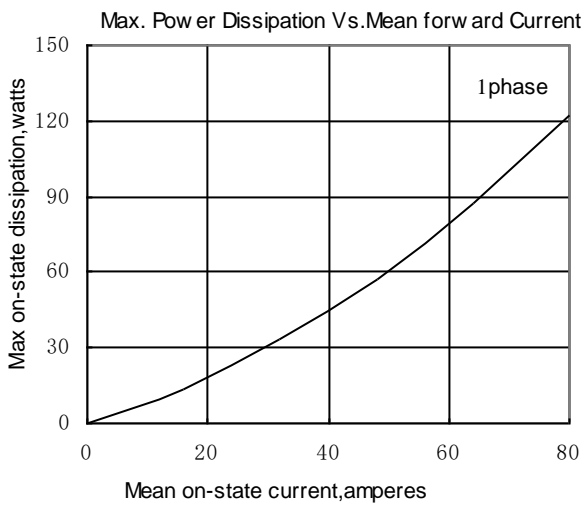


Fig.3

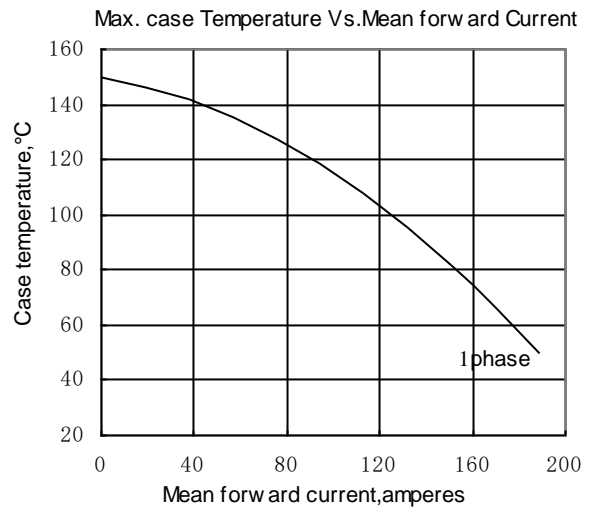


Fig.4

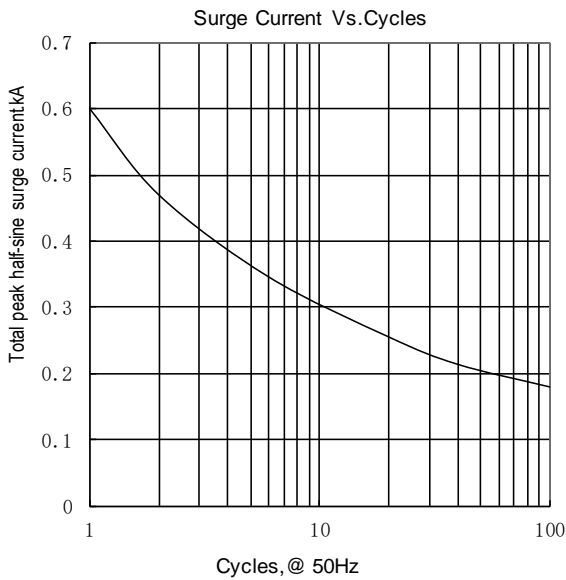


Fig.5

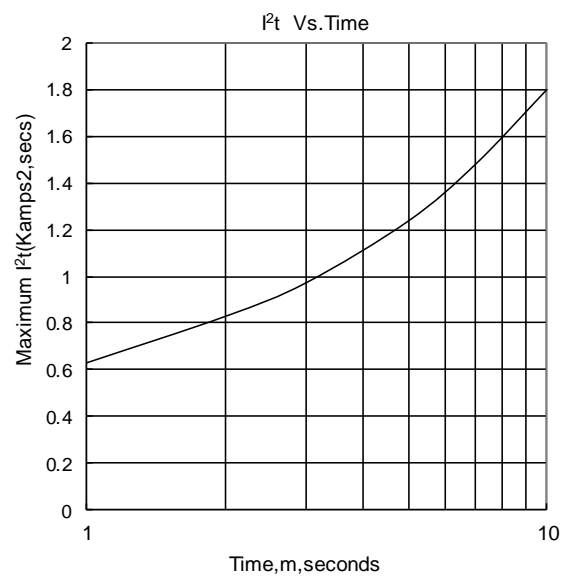
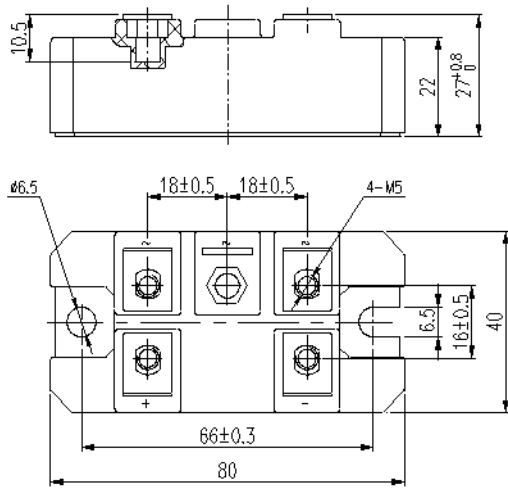


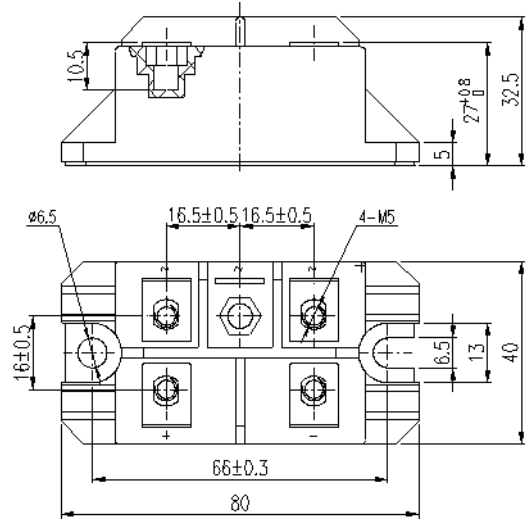
Fig.6

Outline:

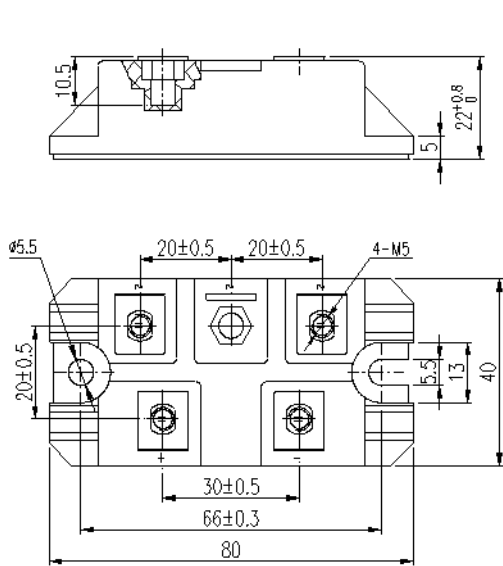
MB75D\*S



MB75D\*CS



MB75D\*C2S



MB75D\*C3S

