

**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	MB50D80xS
1100V	1000V	MB50D100xS
1300V	1200V	MB50D120xS
1500V	1400V	MB50D140xS
1700V	1600V	MB50D160xS
1900V	1800V	MB50D180xS

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	$T_j(^{\circ}C)$	VALUE			UNIT
				Min	Type	Max	
$I_O$	DC output current	Single-phase full wave rectifying circuit, $T_C=100^{\circ}C$	150			50	A
$I_{RRM}$	Repetitive peak current	at $V_{RRM}$	150			8	mA
$I_{FSM}$	Surge forward current	10ms half sine wave	150			0.5	kA
$I^2t$	$I^2T$ for fusing coordination	$V_R=0$				1.25	$A^2s \cdot 10^3$
$V_{FO}$	Threshold voltage		150			0.7	V
$r_F$	Forward slop resistance					6.0	$m\Omega$
$V_{FM}$	Peak forward voltage	$I_{FM}=75A$	25			1.25	V
$R_{th(j-c)}$	Thermal resistance Junction to case	Single side cooled, per total				0.24	$^{\circ}C/W$
$R_{th(c-h)}$	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(M5)				4.0		N·m
	Mounting torque	(M5)	MB50*CS2, MB50*CS3		4.0		N·m
		(M6)	MB50*S, MB50*CS		6.0		
$T_{stg}$	Stored temperature			-40		125	$^{\circ}C$
$W_t$	Weight	MB50*S, MB50*CS, MB50*CS2			135		g
		MB50*CS3			120		
Outline	M20, M22, M24, M18						

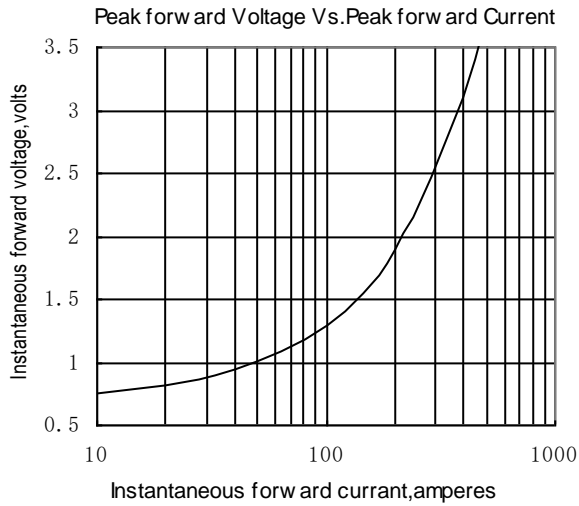


Fig.1

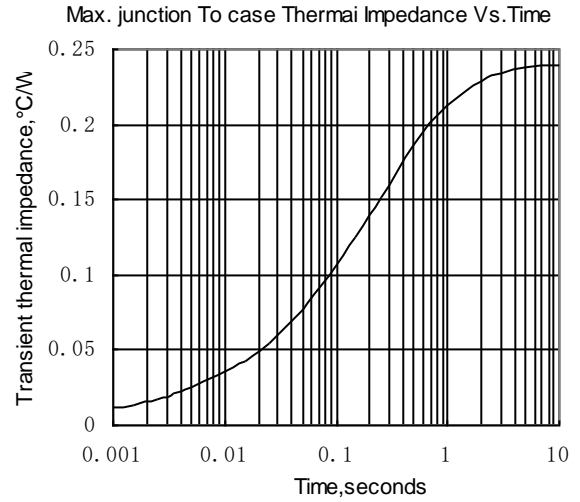


Fig.2

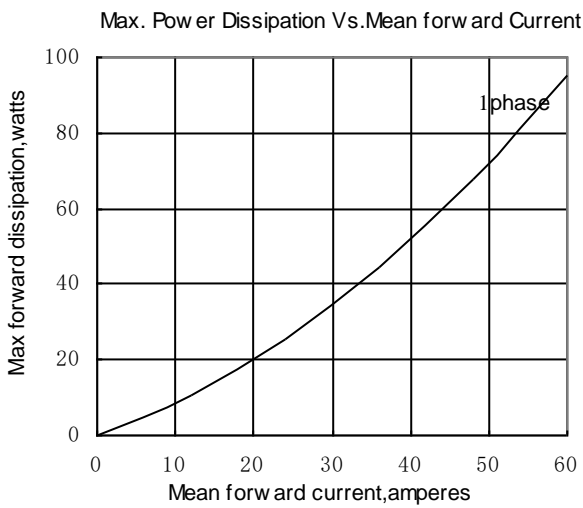


Fig.3

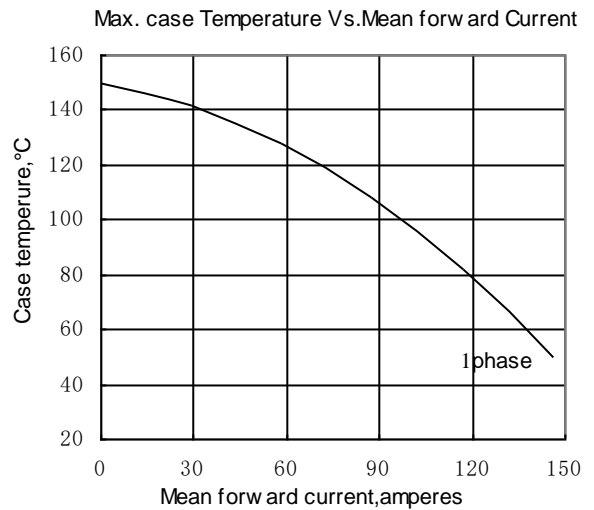


Fig.4

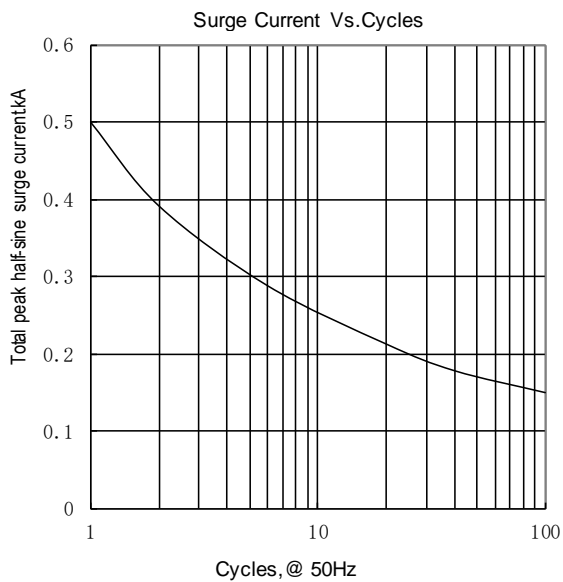


Fig.5

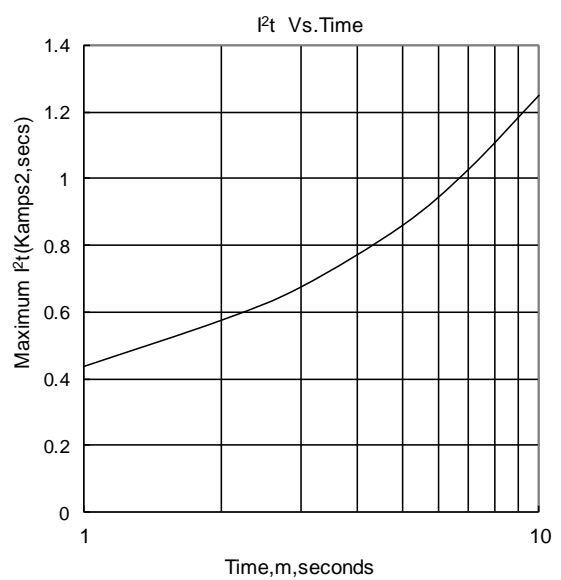
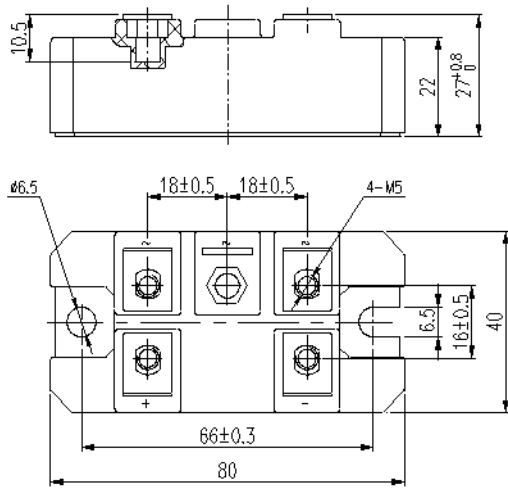


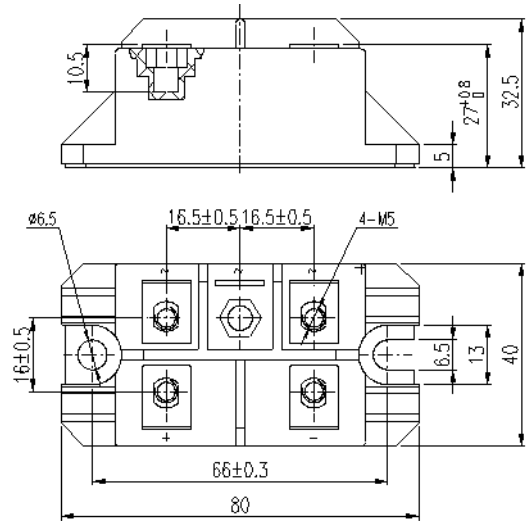
Fig.6

Outline:

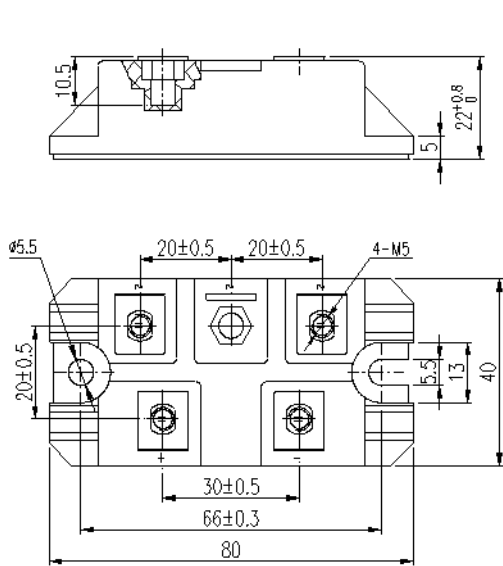
MB50D\*S



MB50D\*CS



MB50D\*C2S



MB50D\*C3S

