

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	MB150D80xS
1100V	1000V	MB150D100xS
1300V	1200V	MB150D120xS
1500V	1400V	MB150D140xS
1700V	1600V	MB150D160xS
1900V	1800V	MB150D180xS

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			150	A
I_{RRM}	Repetitive peak current		at V_{RRM}	150			12	mA
I_{FSM}	Surge forward current		10ms half sine wave	150			1.5	KA
I^2t	I ² T for fusing coordination		$V_R=0$				11.25	A ² s*10 ³
V_{FO}	Threshold voltage			150			0.75	V
r_F	Forward slop resistance						1.9	m Ω
V_{FM}	Peak forward voltage		$I_{FM}=230A$	25			1.55	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	(M5)	MB150D*S			4.0		N-m
		(M6)	MB150D*CS,MB150D*C2S			6.0		
	Mounting torque	(M5)	MB150D*C2S			4.0		N-m
		(M6)	MB150D*S,MB150D*CS			6.0		
T_{stg}	Stored temperature				-40		125	$^{\circ}C$
W_t	Weight		MB150D*S			235		g
			MB150D*CS			200		
			MB150D*C2S			310		
Outline	M26,M30,M28							

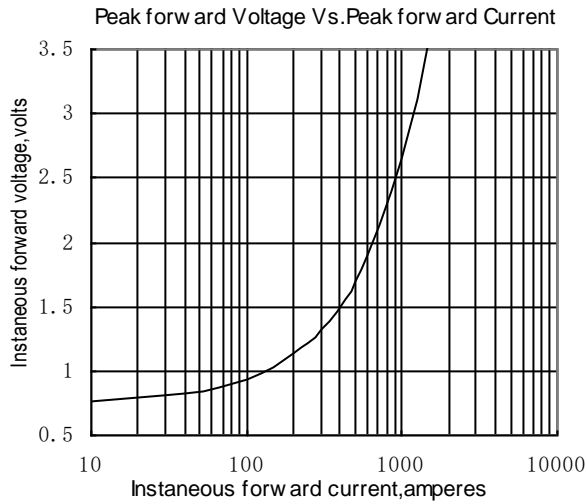


Fig.1

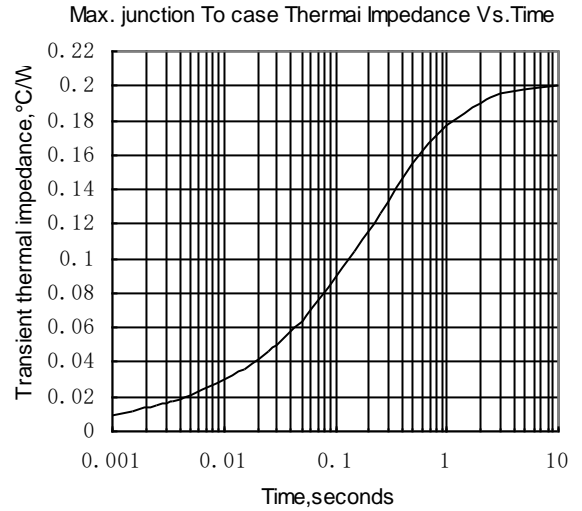


Fig.2

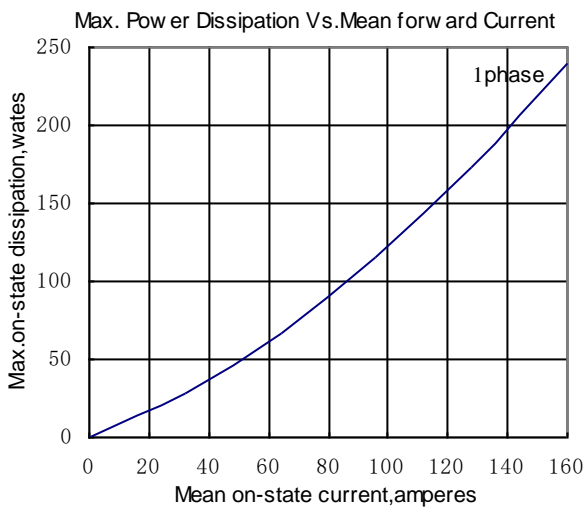


Fig.3

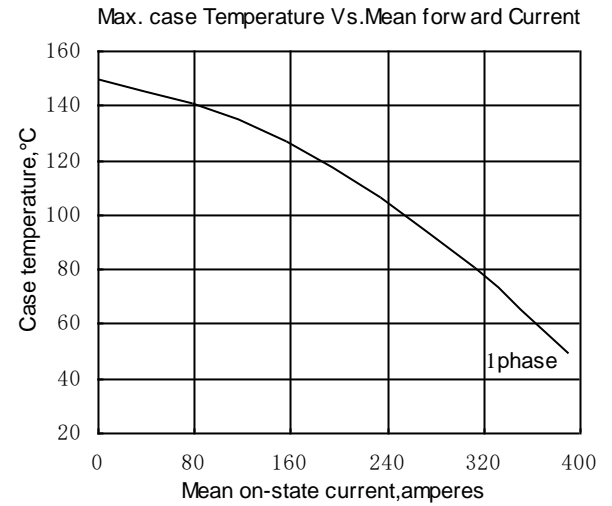


Fig.4

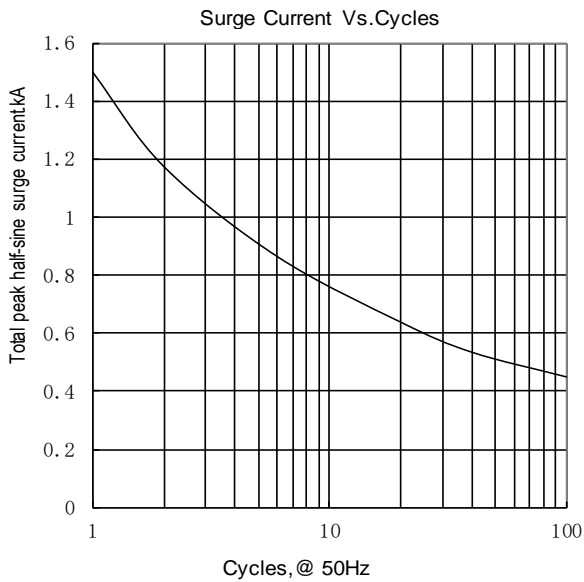


Fig.5

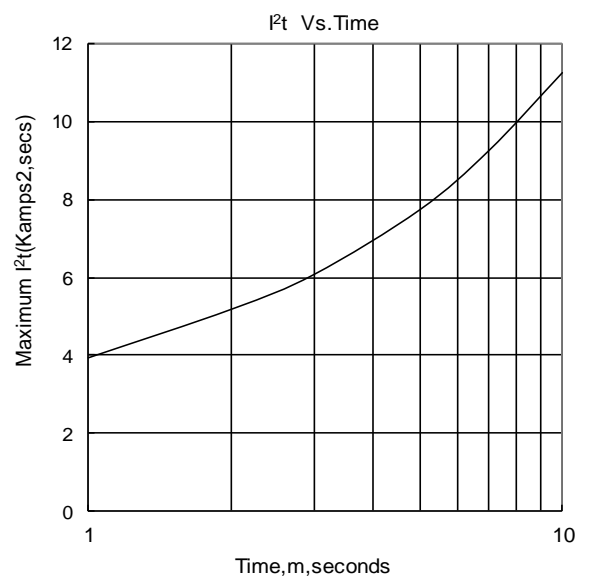
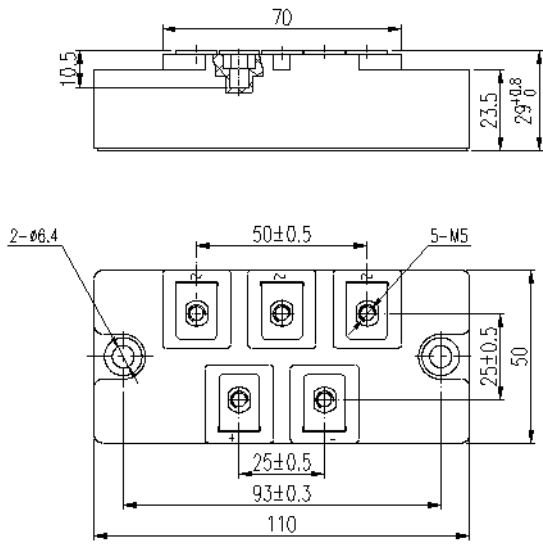


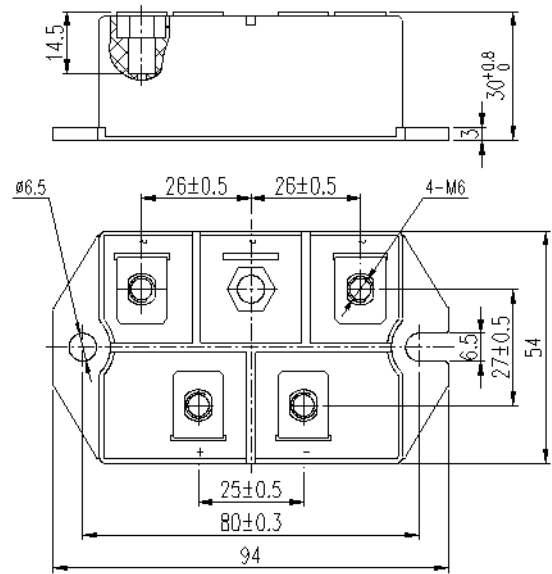
Fig.6

Outline:

MB150D*S



MB150D*CS



MB150D*C2S

