**Features:**

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

Typical Applications

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

V_{RSM}	V_{RRM}	Type & Outline
900V	800V	MDQ50-08-232H5
1100V	1000V	MDQ50-10-232H5
1300V	1200V	MDQ50-12-232H5
1500V	1400V	MDQ50-14-232H5
1700V	1600V	MDQ50-16-232H5
1900V	1800V	MDQ50-18-232H5

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			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	$\text{A}^2\text{s} \times 10^3$
V_{FO}	Threshold voltage		150			0.7	V
r_F	Forward slop resistance					6.0	mW
V_{FM}	Peak forward voltage	$I_{FM}=75\text{A}$	25			1.25	V
$R_{th(j-c)}$	Thermal resistance Junction to case	Single side cooled, per total				0.24	$^{\circ}\text{C}/\text{W}$
$R_{th(c-h)}$	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, $t=1\text{min}$, $I_{isc}:1\text{mA}(\text{max})$		2500			V
F_m	Terminal connection torque(M5)				4.0		N·m
	Mounting torque(M5)				4.0		N·m
T_{stg}	Stored temperature			-40		125	$^{\circ}\text{C}$
W_t	Weight				120		g
Outline	232H5						

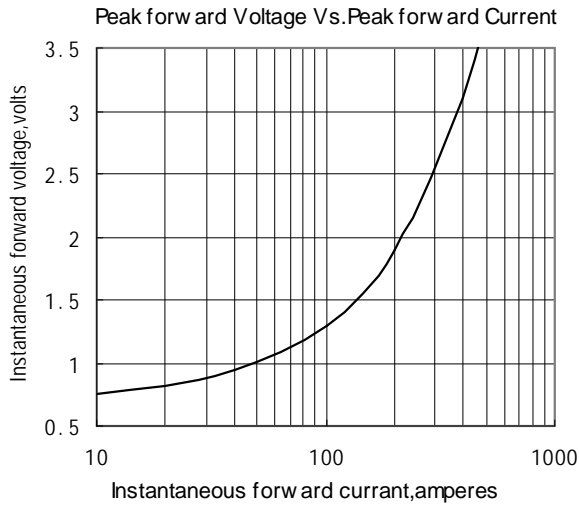


Fig.1

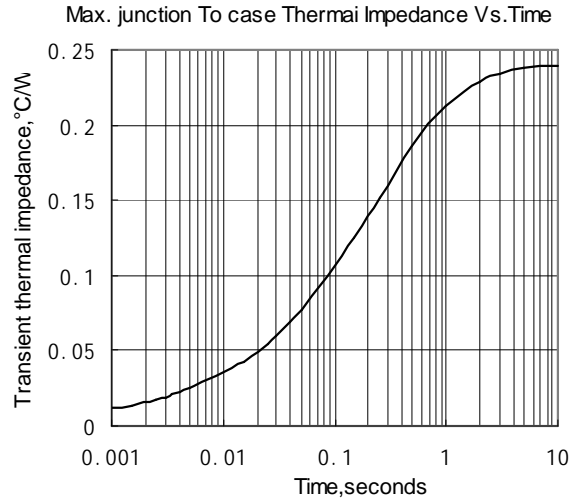


Fig.2

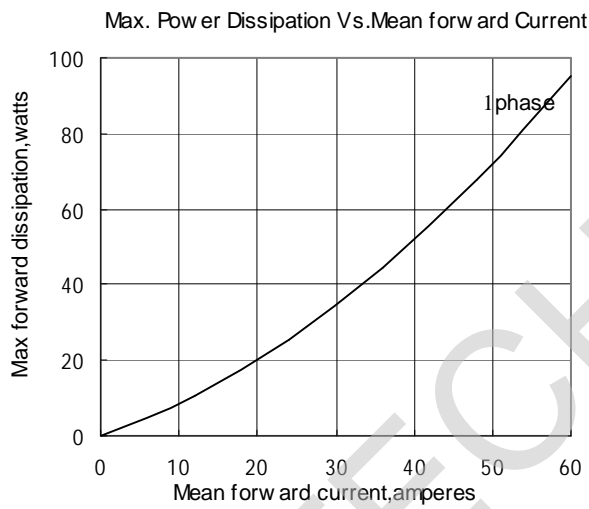


Fig.3

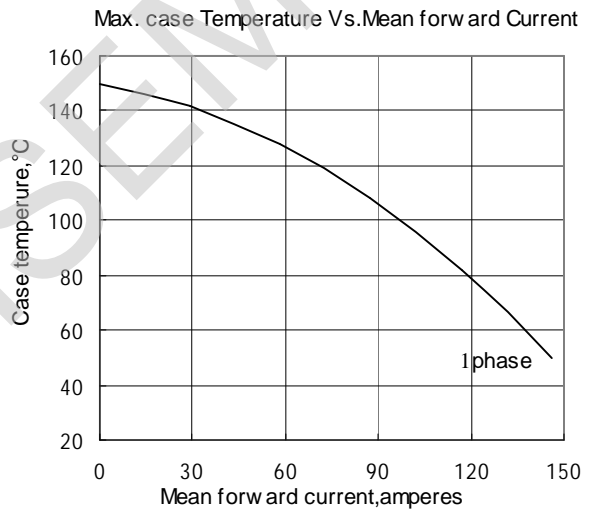


Fig.4

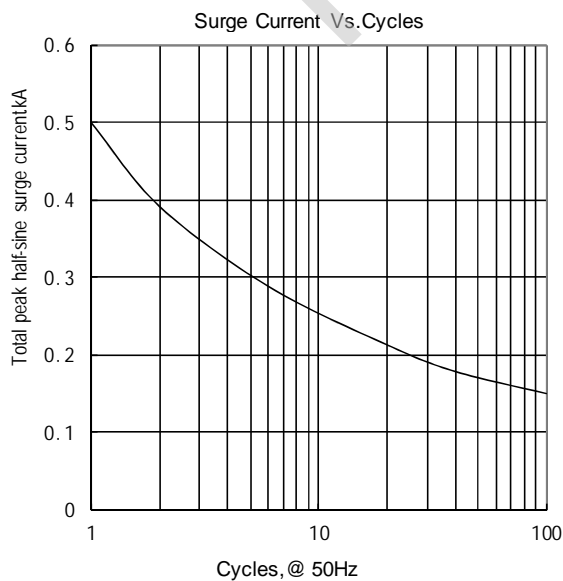


Fig.5

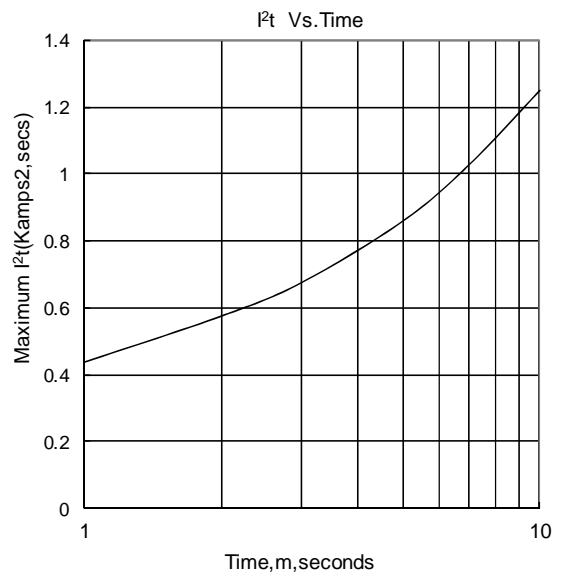
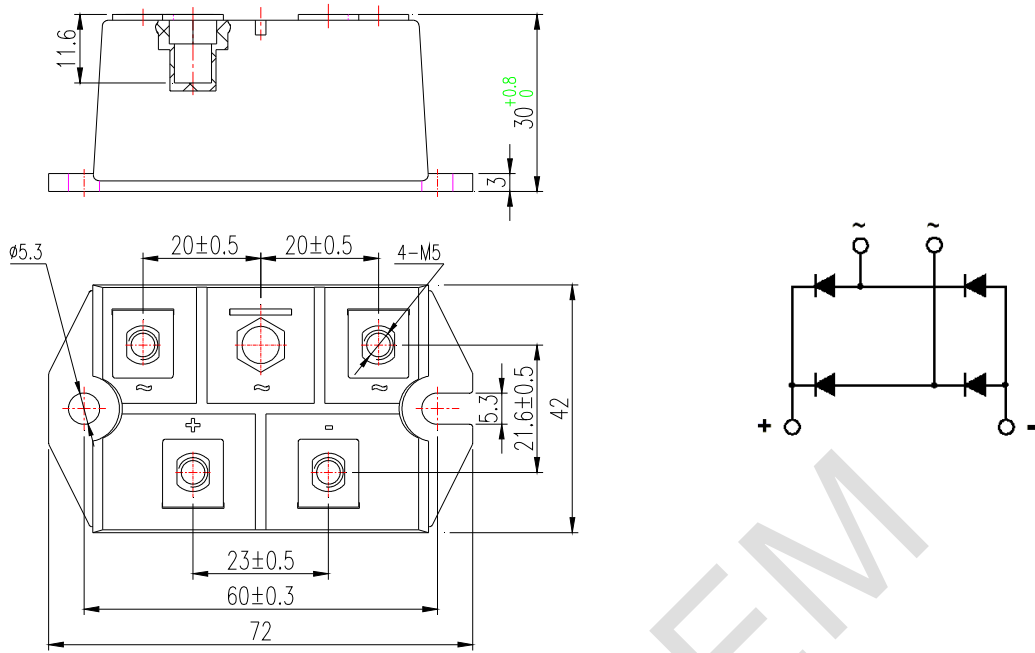


Fig.6

Outline:



TECHSEM