

**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 equipments.
- n** DC supply for PWM inverter
- n** Inverter Welder

V_{RSM}	V_{RRM}	Type & Outline
900V	800V	MDQ100-08-234H5
1100V	1000V	MDQ100-10-234H5
1300V	1200V	MDQ100-12-234H5
1500V	1400V	MDQ100-14-234H5
1700V	1600V	MDQ100-16-234H5
1900V	1800V	MDQ100-18-234H5

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			100	A
I_{RRM}	Repetitive peak current	at V_{RRM}	150			12	mA
I_{FSM}	Surge forward current	10ms half sine wave	150			1.30	kA
I^2t	I^2t for fusing coordination	$V_R=0$				8.45	$A^2s \cdot 10^{-3}$
V_{FO}	Threshold voltage		150			0.75	V
r_F	Forward slop resistance					2.4	mW
V_{FM}	Peak forward voltage	$I_{FM}=150A$	25			1.40	V
$R_{th(j-c)}$	Thermal resistance Junction to case	Single side cooled, per total				0.14	$^{\circ}C/W$
$R_{th(c-h)}$	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(M6)				6.0		N·m
	Mounting torque(M6)				6.0		N·m
T_{stg}	Stored temperature			-40		125	$^{\circ}C$
W_t	Weight				200		g
Outline	234H5						

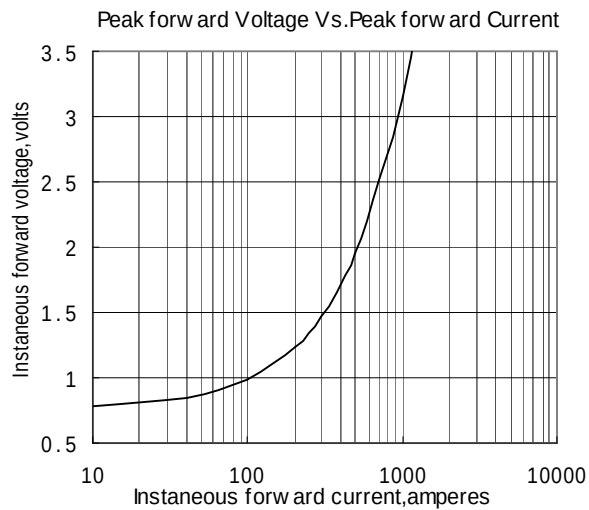


Fig.1

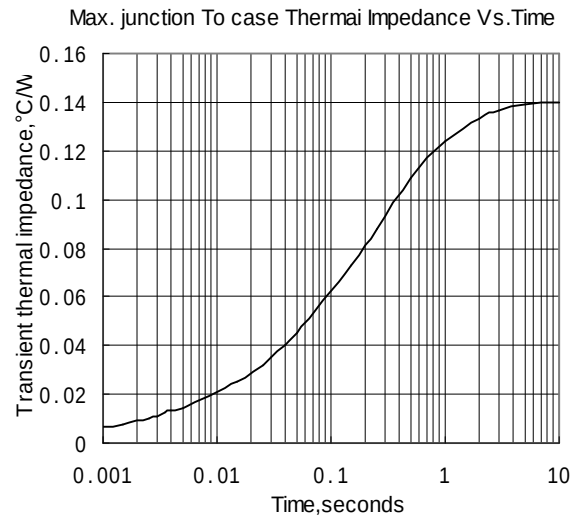


Fig.2

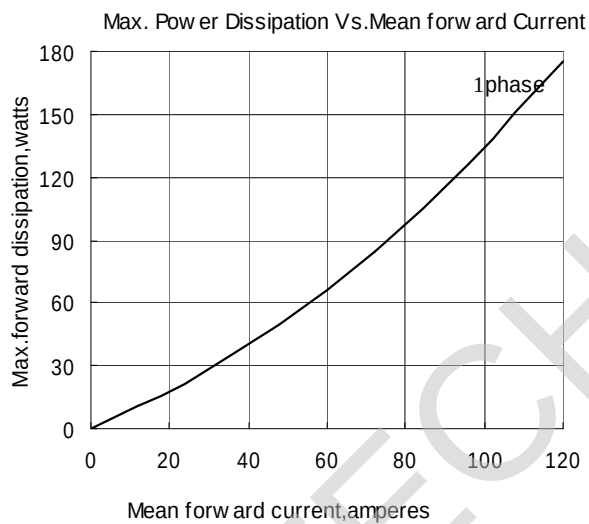


Fig.3

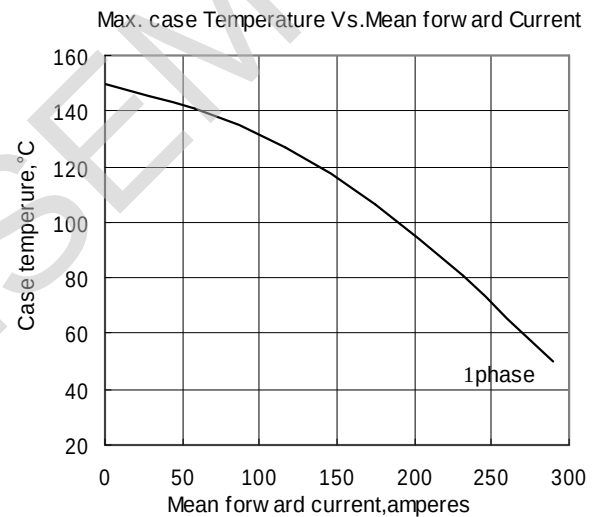


Fig.4

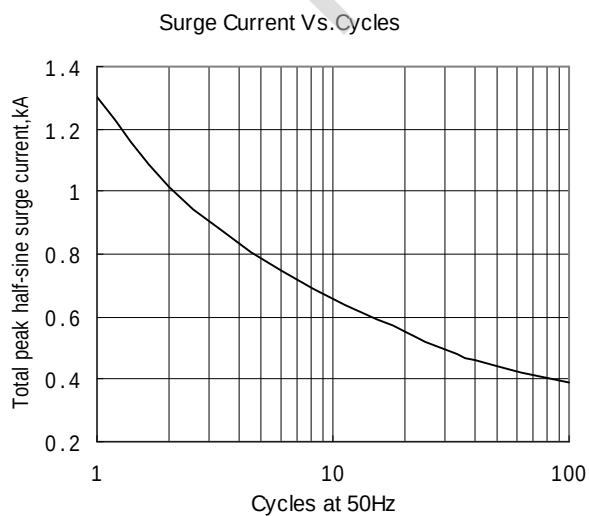


Fig.5

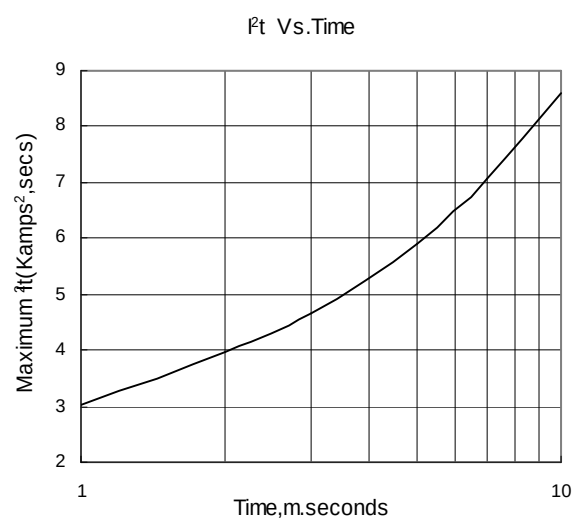


Fig.6

Outline:

