



浙江芯芯电子有限公司
ZHEJIANG XINXIN ELECTIRICAL CO., LTD.

产品规格书

Specification of Products

产品名称：单相整流桥模块

产品型号：MDQ75A

浙江芯芯电子有限公司

ZHEJIANG XINXIN ELECTIRICAL CO., LTD.

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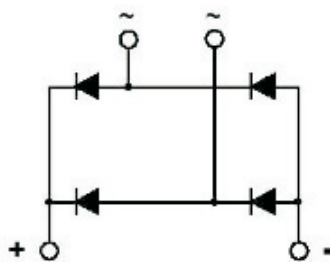
<http://www.zjxxdz1.com>

拟制	审核	核准
丁国盛	李园利	麻伟阳

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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
V_{RRM}	Repetitive peak reverse voltage	$V_{RRM} \text{ } t_p=10\text{ms}$ $V_{RSM}=V_{DRM}+V_{RRM}+200\text{V}$	150	600		2200	V
I_{RRM}	Repetitive peak current	at V_{RRM}	150			8	mA
I_{FSM}	Surge forward current	10ms half sinewave	150			1.00	KA
I^2t	I^2T for fusing coordination	$V_R=0.6V_{RRM}$				5.1	$\text{A}^2\text{s}\cdot 10^3$
V_{FO}	Threshold voltage		150			0.80	V
r_F	Forward slop resistance					7.0	$\text{m}\Omega$
V_{FM}	Peak forward voltage	$I_{FM}=75\text{A}$	25			1.1	V
$R_{th(j-c)}$	Thermal resistance Junction to heatsink	Single side cooled				0.320	$^{\circ}\text{C} / \text{W}$
V_{iso}	Isolation voltage	50Hz, RM. S, $t=1\text{min}$, $i_{so}: 1\text{mA}(\text{max})$		2500			V
F_m	Terminal connection torque(M5)				2.0		N. m
	Mounting torque(M6)				3.0		N. m
T_{stg}	Stored temperature			-40		125	$^{\circ}\text{C}$
W_t	Weight				154		g
Outline							

OUTLINE DRAWING & CIRCUIT DIAGRAM



Rating and Characteristic

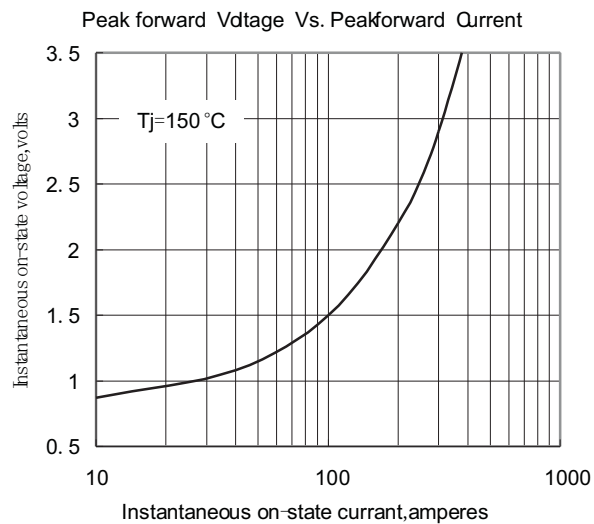


Fig. 1

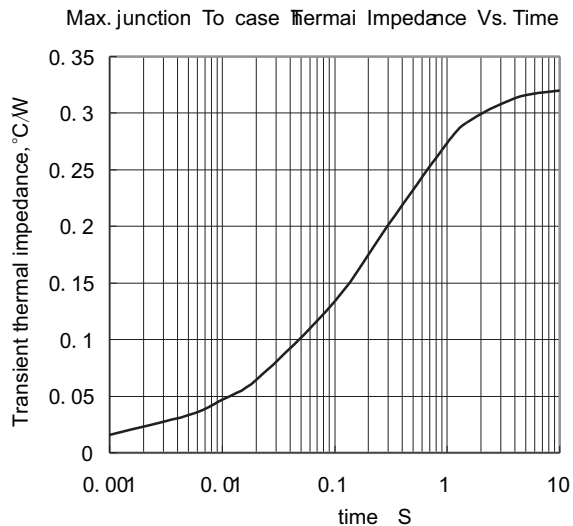


Fig. 2

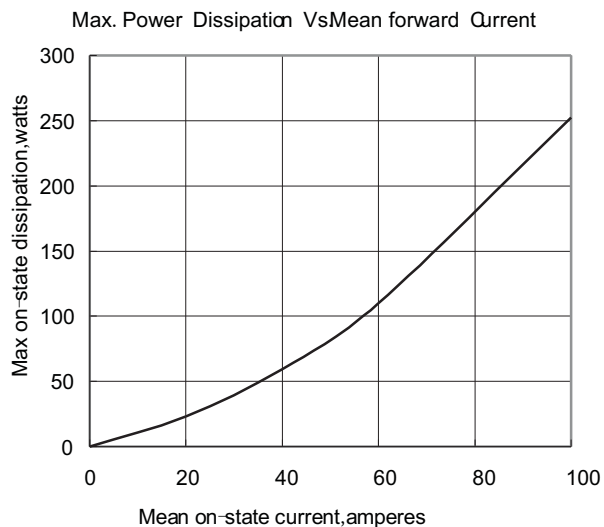


Fig. 3

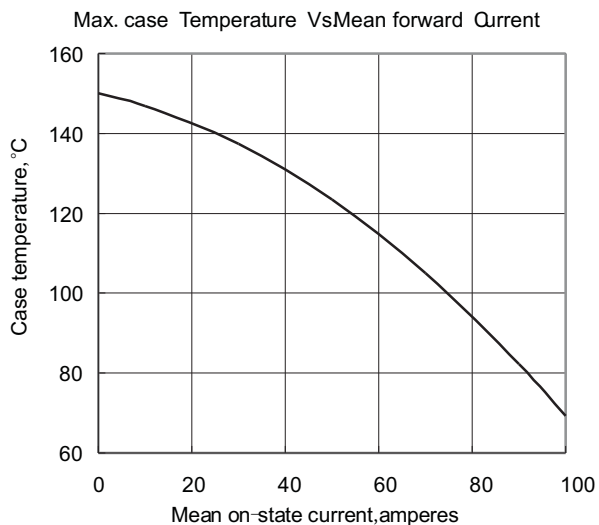


Fig. 4

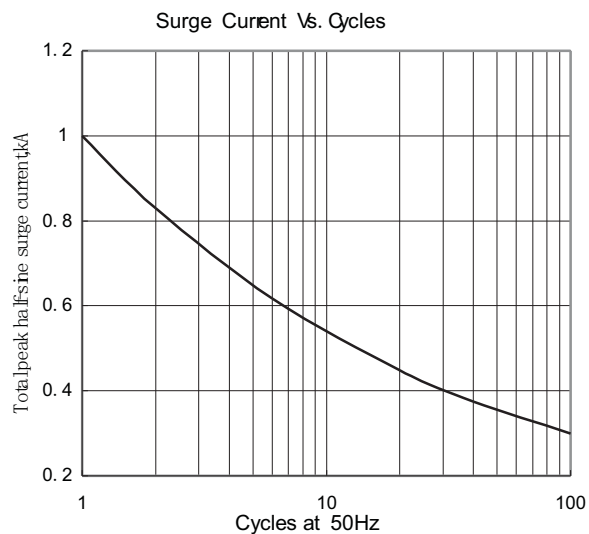


Fig. 5

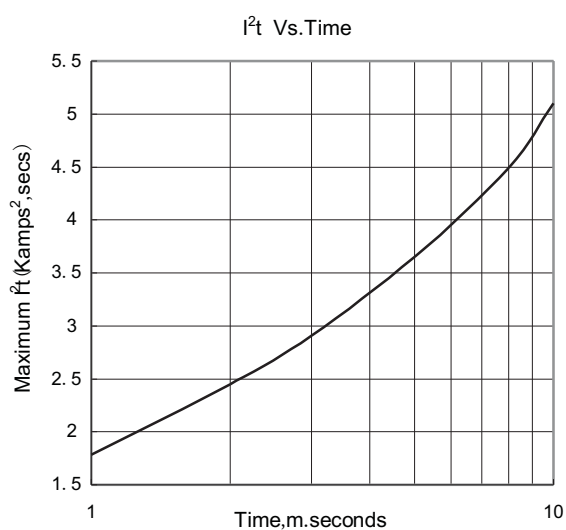


Fig. 6

M5×10

