

产品规格书

Specification of Products

产品名称：三相整流桥模块

产品型号：MDS500-16A

浙江芯芯电子有限公司

ZHEJIANG XINXIN ELECTIRICAL CO., LTD.

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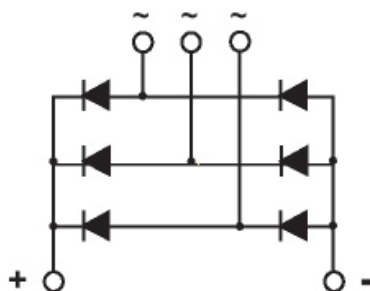
<http://www.zjxxdz1.com>

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	Three-phase full wave rectifying circuit, $T_c=100^{\circ}\text{C}$	150			500	A
V_{RRM}	Repetitive peak reverse voltage	V_{RRM} $t_p=10\text{ms}$ $V_{RSM}=V_{DRM}\&V_{RRM}+200\text{V}$	150		1600		V
I_{RRM}	Repetitive peak current	at V_{RRM}	150			15	mA
I_{FSM}	Surge forward current	10ms half sine wave	150			8.0	KA
I^2t	I^2T for fusing coordination	$V_R=0.6V_{RRM}$				320	$\text{A}^2\text{s}\cdot 10^3$
V_{FO}	Threshold voltage		150			0.80	V
r_F	Forward slop resistance					1.05	$\text{m}\Omega$
V_{FM}	Peak forward voltage	$I_{FM}=500\text{A}$	25			1.37	V
$R_{th(j-c)}$	Thermal resistance Junction to heatsink	Single side cooled				0.06	$^{\circ}\text{C} / \text{W}$
V_{iso}	Isolation voltage	50Hz, R.M.S, $t=1\text{min}$, $I_{iso}: 1\text{mA}(\text{max})$		2500			V
F_m	Terminal connection torque (M6)				3.0		$\text{N}\cdot\text{m}$
	Terminal connection torque (M8)				4.5		$\text{N}\cdot\text{m}$
	Mounting torque (M10)				6.0		$\text{N}\cdot\text{m}$
T_{stg}	Stored temperature			-40		125	$^{\circ}\text{C}$
W_t	Weight				1050		g
Outline							

OUTLINE DRAWING & CIRCUIT DIAGRAM



Rating and Characteristic

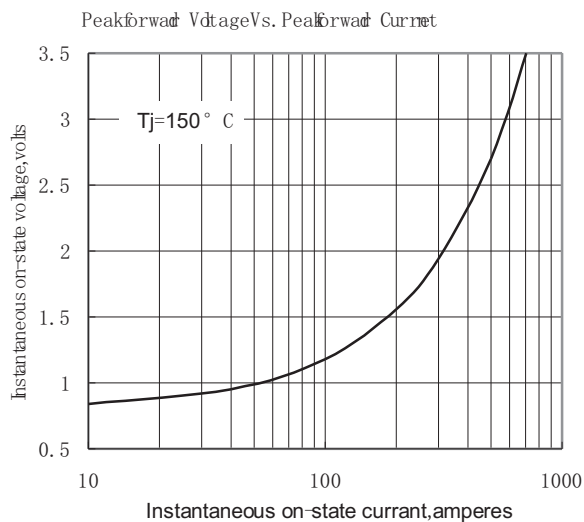


Fig. 1

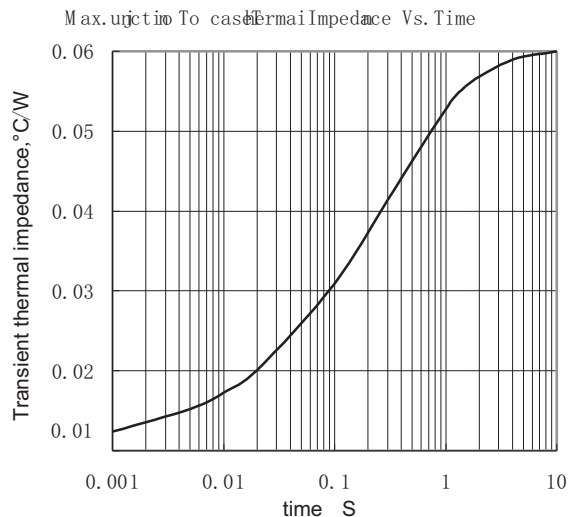


Fig. 2

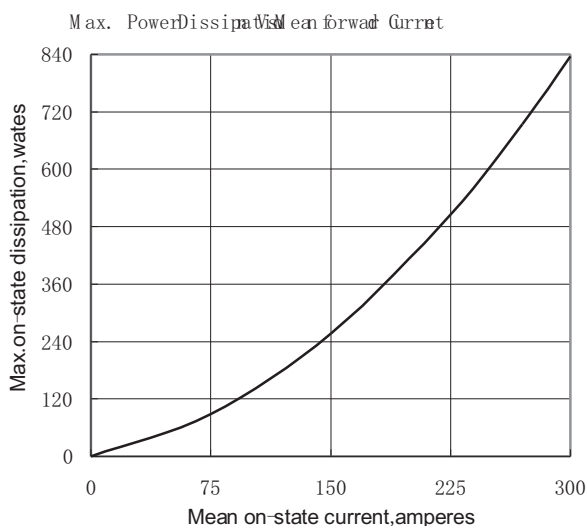


Fig. 3

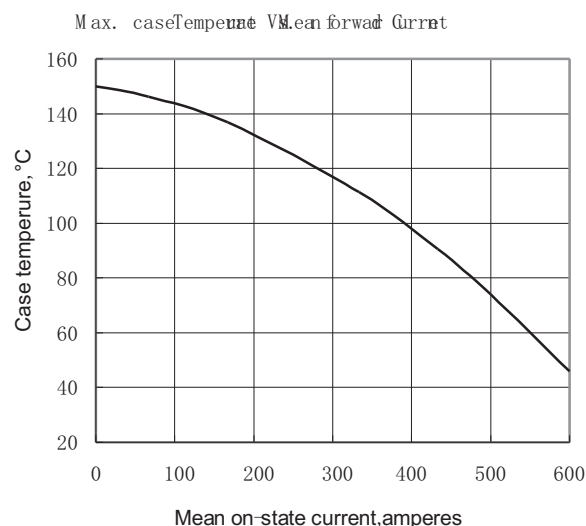


Fig. 4

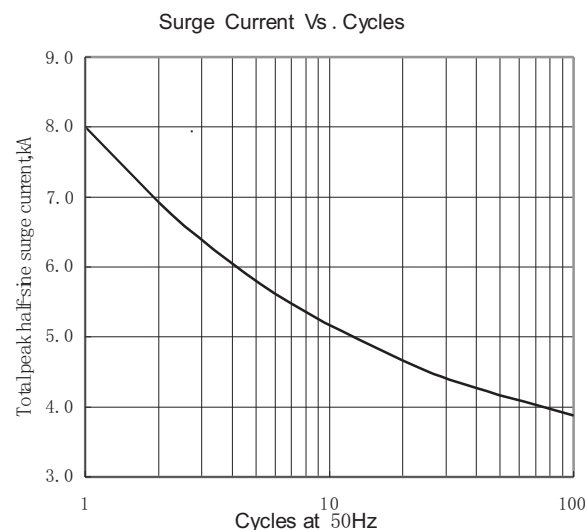


Fig. 5

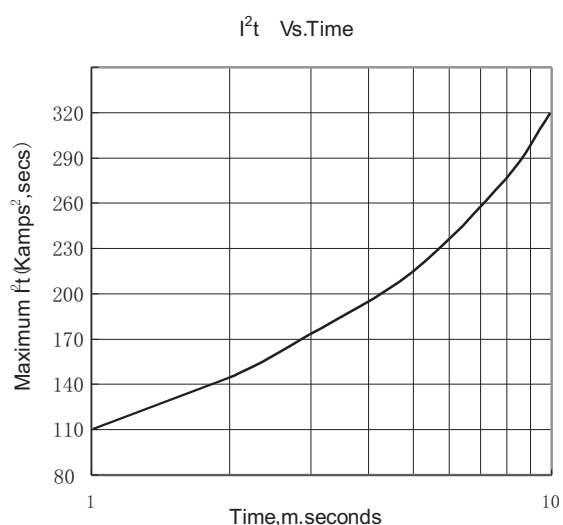


Fig. 6

