



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

## 产品规格书

### Specification of Products

产品名称：三相整流桥模块

产品型号：MDS100A

浙江芯芯电子有限公司

ZHEJIANG XINXIN ELECTRICAL CO., LTD.

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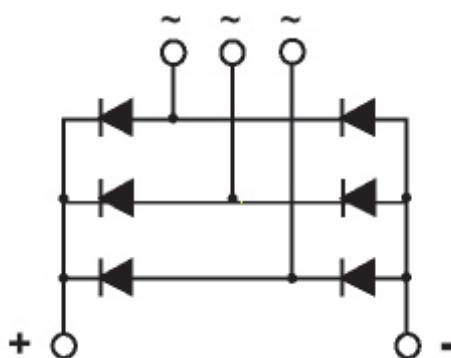
<http://www.zjxxdz1.com>

拟制	审核	核准
丁国盛	李园利	麻伟阳

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SYMBOL	CHARACTERISTIC	TEST CONDITIONS	$T_j$ (°C)	VALUE			UNIT
				Min	Type	Max	
$I_o$	DC output current	Three-phase full wave rectifying circuit, $T_c=100^\circ\text{C}$	150			100	A
$V_{RRM}$	Repetitive peak reverse voltage	$V_{RRM}$ tp=10ms $V_{RsM}=V_{DRM} \& V_{RRM}+200\text{V}$	150	600		2200	V
$I_{RRM}$	Repetitive peak current	at $V_{RRM}$	150			10	mA
$I_{FSM}$	Surge forward current	10ms half sine wave	150			1.5	KA
$I^2t$	$I^2T$ for fusing coordination	$V_R=0.6V_{RRM}$				11.4	$\text{A}^2\text{s} \times 10^3$
$V_{FO}$	Threshold voltage		150			0.80	V
$r_F$	Forward slop resistance					4.5	$\text{m}\Omega$
$V_{FM}$	Peak forward voltage	$I_{FM}=100\text{A}$	25			1.1	V
$R_{th(j-c)}$	Thermal resistance Junction to heatsink	Single side cooled				0.240	°C /W
$V_{iso}$	Isolation voltage	50Hz, R.M.S, t=1min, $I_{iso}:1\text{mA(max)}$		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	°C
$W_t$	Weight				178		g
Outline							

## OUTLINE DRAWING &amp; CIRCUIT DIAGRAM



### Rating and Characteristic

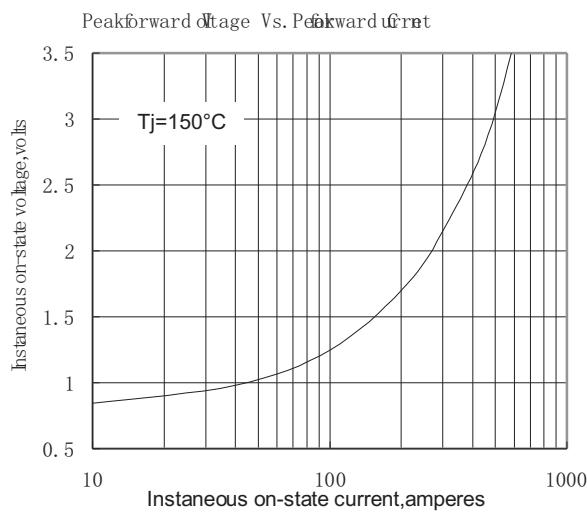


Fig.1

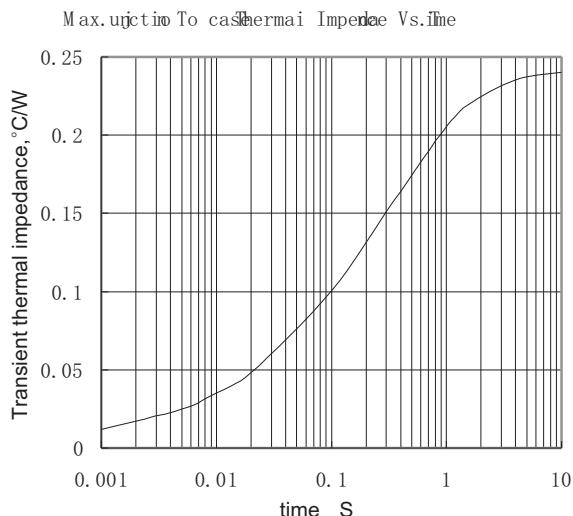


Fig.2

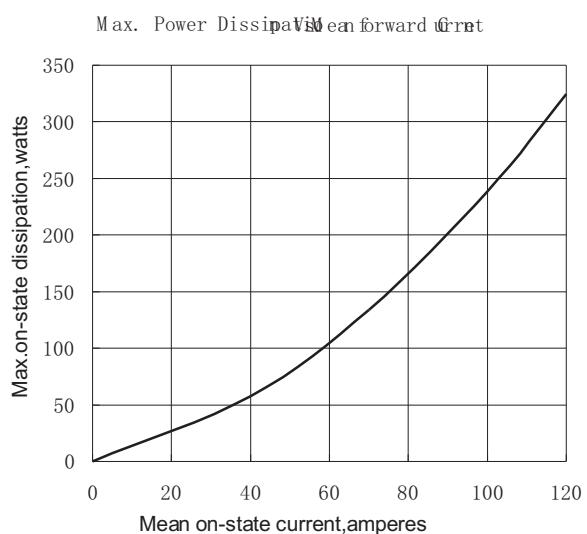


Fig.3

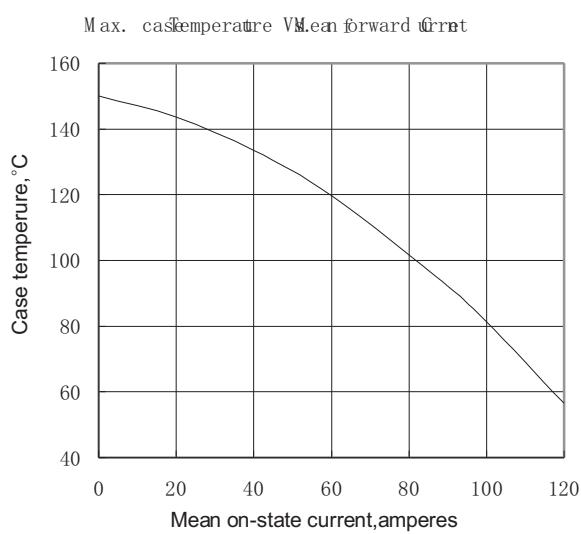


Fig.4

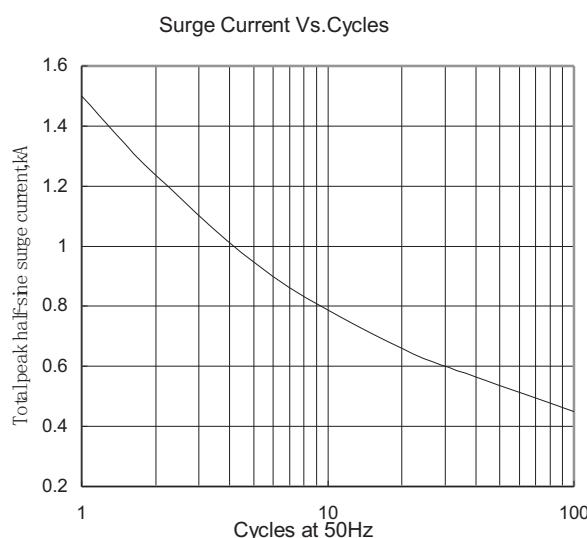


Fig.5

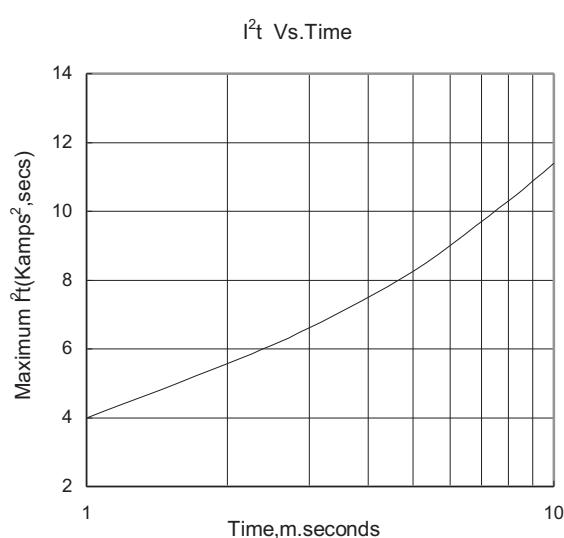


Fig.6

震扬®

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## Outside Dimension

