



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：整流单管模块

产品型号：MD300A

浙江芯芯电子有限公司

ZHEJIANG XINXIN ELECTIRICAL CO., LTD.

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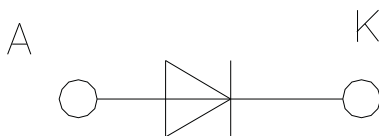
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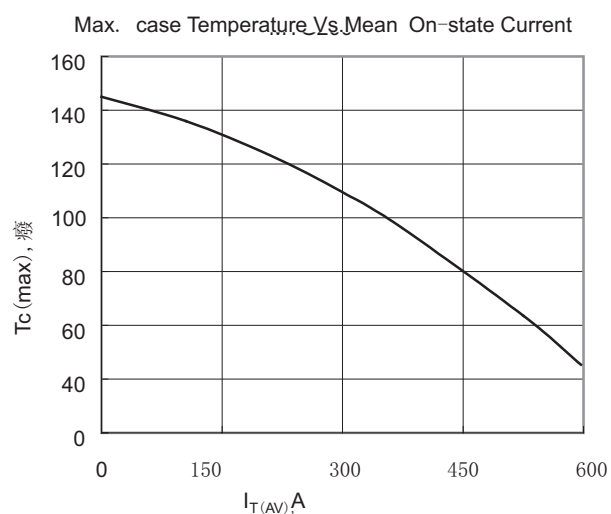
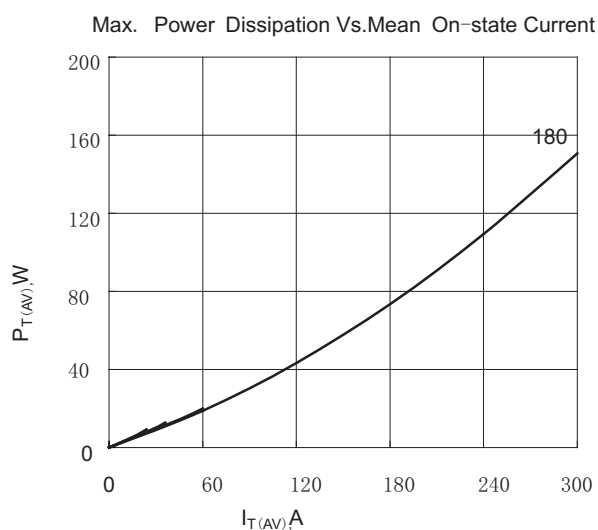
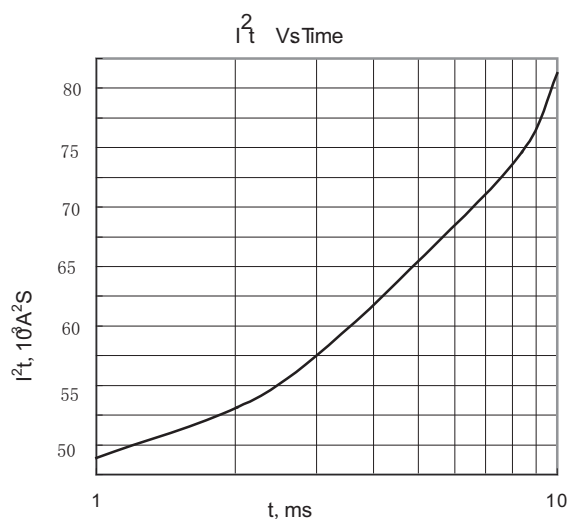
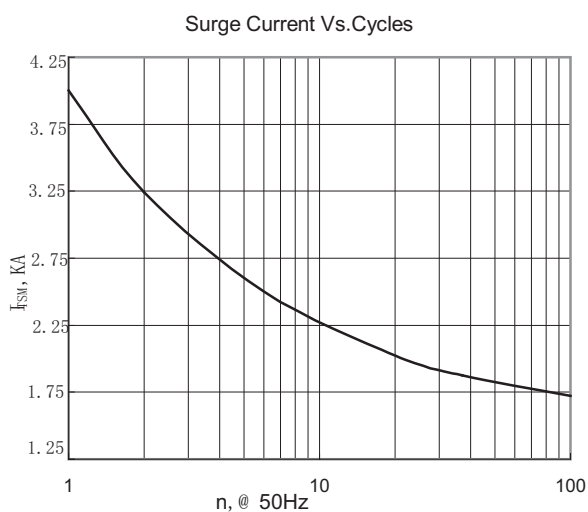
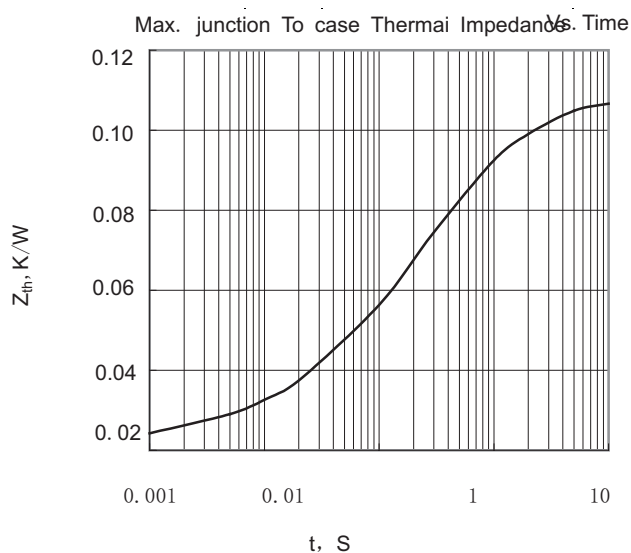
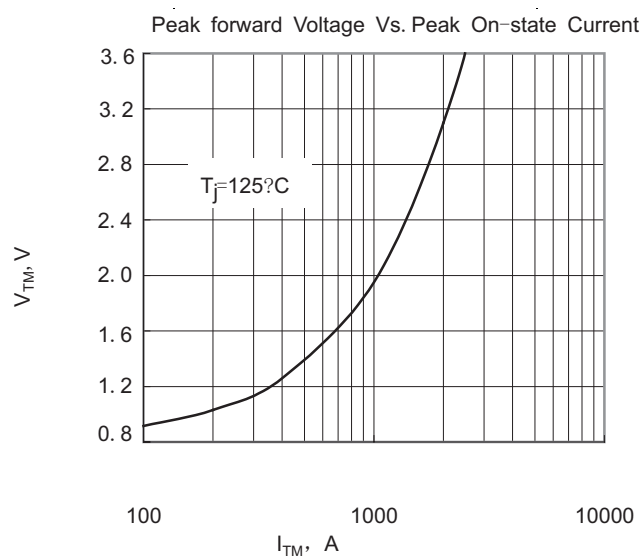
SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T _j (°C)	VALUE			UNIT
				Min	Type	Max	
I _{F(AV)}	Mean forward current	180° half sinewave 50Hz Single side cooled, $\bar{T}=100^{\circ}\text{C}$	150			300	A
I _{F(RMS)}	RMS forward current	Single side cooled, $\bar{T}=100^{\circ}\text{C}$	150			471	A
V _{RRM}	Repetitive peak reverse voltage	V _{RRM} tp=10ms V _{RSM} = V _{DRM} &V _{RRM} +200V	150	600		1800	V
I _{RRM}	Repetitive peak current	at V _{RRM}	150			20	mA
I _{FSM}	Surge forward current	10ms half sinewave	150			12.5	KA
I ² _t	² T for fusing coordination	V _R =0.6V _{RRM}				797	A ² s*10 ³
V _{FO}	Threshold voltage		150			0.75	V
r _F	Forward slop resistance					0.55	mΩ
V _{FM}	Peak forward voltage	I _F =900A	25			1.1	V
R _{th(j-c)}	Thermal resistance Junction to heatsink	At 180° sine Single side cooled				0.130	°C /W
V _{iso}	Isolation voltage	50Hz, RM. S, t=1min, i _{iso} : 1mA (max)		2500			V
F _m	Terminal connection torque(M6)				3.0		N.m
	Mounting torque(M8)				4.5		N.m
T _{stg}	Stored temperature			-40		125	°C
W _t	Weight				900		g
Outline							

OUTLINE DRAWING & CIRCUIT DIAGRAM

MD



Rating and Characteristic



Technical drawing of a mechanical part, showing three views: front, top, and side. The dimensions are in mm.

Front View (Top):

- Overall width: 101 mm
- Overall height: 52 mm
- Top flange width: 2.8 x 0.8 mm
- Top flange thickness: 4 mm
- Top flange hole diameter: $\phi 5.5$
- Top flange hole position: 29.5 mm from left edge, 5.3 mm from top edge.
- Top flange hole diameter: $\phi 20$
- Top flange hole position: 15 mm from right edge, 15 mm from top edge.
- Top flange hole diameter: $\phi 20$
- Top flange hole position: 15 mm from right edge, 15 mm from top edge.
- Top flange hole diameter: $\phi 20$
- Top flange hole position: 15 mm from right edge, 15 mm from top edge.

Top View (Bottom):

- Overall width: 101 mm
- Overall height: 50 mm
- Top flange width: 37 mm
- Top flange height: 11.5 mm
- Top flange hole diameter: $\phi 5.5$
- Top flange hole position: 29.5 mm from left edge, 5.3 mm from top edge.
- Top flange hole diameter: $\phi 20$
- Top flange hole position: 15 mm from right edge, 15 mm from top edge.
- Top flange hole diameter: $\phi 20$
- Top flange hole position: 15 mm from right edge, 15 mm from top edge.
- Top flange hole diameter: $\phi 20$
- Top flange hole position: 15 mm from right edge, 15 mm from top edge.

Side View (Right):

- Overall width: 101 mm
- Overall height: 52 mm
- Top flange width: 2.8 x 0.8 mm
- Top flange thickness: 4 mm
- Top flange hole diameter: $\phi 5.5$
- Top flange hole position: 29.5 mm from left edge, 5.3 mm from top edge.
- Top flange hole diameter: $\phi 20$
- Top flange hole position: 15 mm from right edge, 15 mm from top edge.
- Top flange hole diameter: $\phi 20$
- Top flange hole position: 15 mm from right edge, 15 mm from top edge.
- Top flange hole diameter: $\phi 20$
- Top flange hole position: 15 mm from right edge, 15 mm from top edge.

