

## 产品规格书

### Specification of Products

产品名称：螺栓型

产品型号：ZP300A

### 浙江芯芯电子有限公司

ZHEJIANG XINXIN ELECTIRICAL CO., LTD.

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拟制	审核	核准
丁国盛	李园利	麻伟阳

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T <sub>j</sub> (°C)	VALUE			UNIT	
				Min	Type	Max		
I <sub>F(AV)</sub>	Mean forward current	180° half sine wave 50Hz single side cooled, T <sub>j</sub> =55° C	150			445	A	
I <sub>F(AV)</sub>	Mean forward current	180° half sine wave 50Hz single side cooled, T <sub>j</sub> =90° C	150			300	A	
V <sub>RRM</sub>	Repetitive peak reverse voltage	V <sub>RRM</sub> tp=10ms V <sub>RSM</sub> = V <sub>RRM</sub> +100V	150	100		2000	V	
I <sub>RRM</sub>	Repetitive peak current	at V <sub>RRM</sub>	150			10	mA	
I <sub>FSM</sub>	Surge forward current	10ms half sine wave	150			4	KA	
I <sup>2</sup> T I	I <sup>2</sup> T for fusing coordination	V <sub>R</sub> =0.6V <sub>RRM</sub>					80	A <sup>2</sup> s*10 <sup>3</sup>
V <sub>FO</sub>	Threshold voltage		150			0.98	V	
r <sub>F</sub>	Forward slop resistance						0.88	mW
V <sub>FM</sub>	Peak on-state voltage	I <sub>M</sub> =900A	150			2.0	V	
I <sub>M</sub>	Reverse recovery current	I <sub>M</sub> =300A, tp=1000 μs, di/dt=-20A/μs, V <sub>R</sub> =50V	150			60	A	
t <sub>rr</sub>	Reverse recovery time						4.0	μs
Q <sub>rr</sub>	Recovery charge						120	μC
R <sub>th(j-h)</sub>	Thermal resistance Junction to heatsink	At 180° sine single side cooled Clamping torque 27 Nm				0.11	°C/W	
F <sub>m</sub>	Mounting torque			25		30	Nm	
T <sub>stg</sub>	Stored temperature			-40		160	°C	
Outline								

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