



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：螺栓型

产品型号：ZP150A

浙江芯芯电子有限公司

ZHEJIANG XINXIN ELECTIRICAL CO., LTD.

地址：浙江省缙云县壶镇镇浙江丽缙五金科技产业园苍山区块内

电话：13857067071

邮编：321404

E-mail:247145749@qq.com

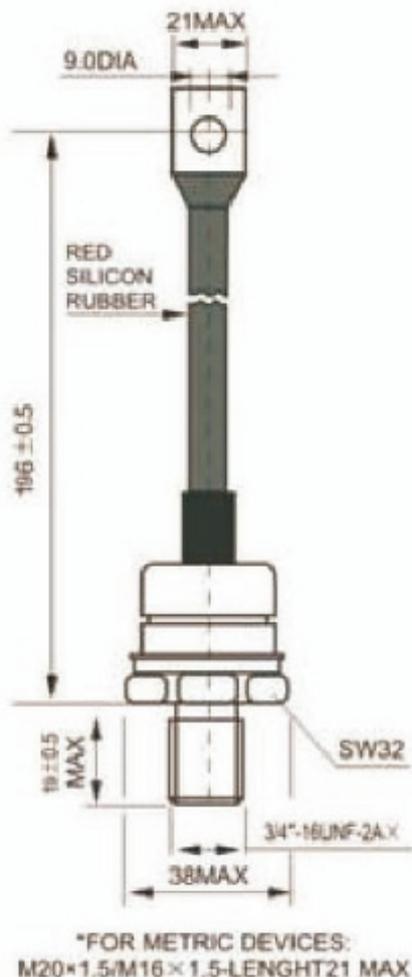
<http://www.zjxxdz1.com>

拟制	审核	核准
丁国盛	李园利	麻伟阳

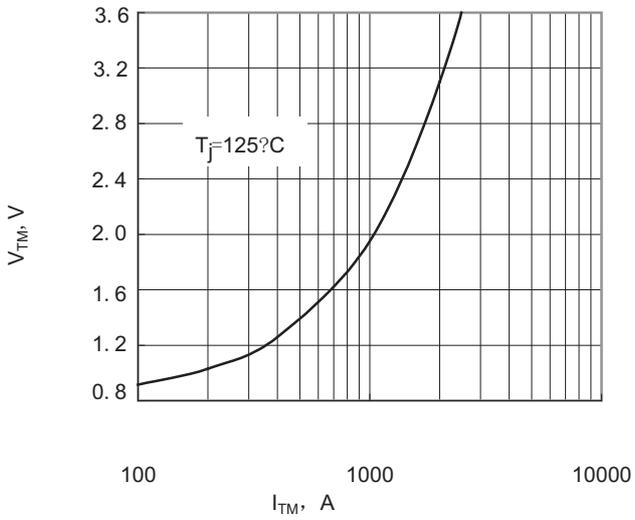
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SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T _j (°C)	VALUE			UNIT	
				Min	Type	Max		
I _{F(AV)}	Mean forward current	180° half sine wave 50Hz single side cooled, T _j =55° C	150			240	A	
I _{F(AV)}	Mean forward current	180° half sine wave 50Hz single side cooled, T _j =90° C	150			150	A	
V _{RRM}	Repetitive peak reverse voltage	V _{RRM} tp=10ms V _{RSM} = V _{RRM} +100V	150	100		2000	V	
I _{RRM}	Repetitive peak current	at V _{RRM}	150			10	mA	
I _{FSM}	Surge forward current	10ms half sine wave	150			2.7	KA	
I ² T I	² T for fusing coordination	V _R =0.6V _{RRM}					35.5	A ² s*10 ³
V _{FO}	Threshold voltage		150			1.40	V	
r _F	Forward slope resistance						1.02	mW
V _{FM}	Peak on-state voltage	I _M =300A	150			2.0	V	
I _M	Reverse recovery current	I _M =300A, tp=1000 μs, di/dt=-20A/μs, V _R =50V	150			50	A	
t _{rr}	Reverse recovery time						4	μs
Q _{rr}	Recovery charge						100	μC
R _{th(j-h)}	Thermal resistance Junction to heatsink	At 180° sine single side cooled Clamping torque 17 Nm				0.16	°C/W	
F _m	Mounting torque			13		19	N.m	
T _{stg}	Stored temperature			-40		160	°C	
Outline								

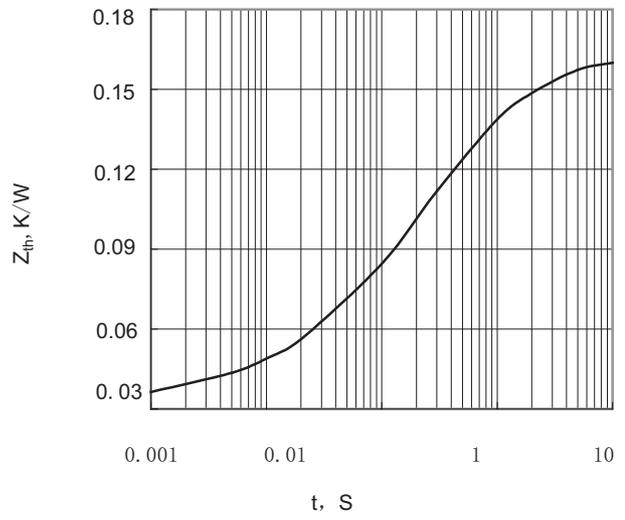
Outline



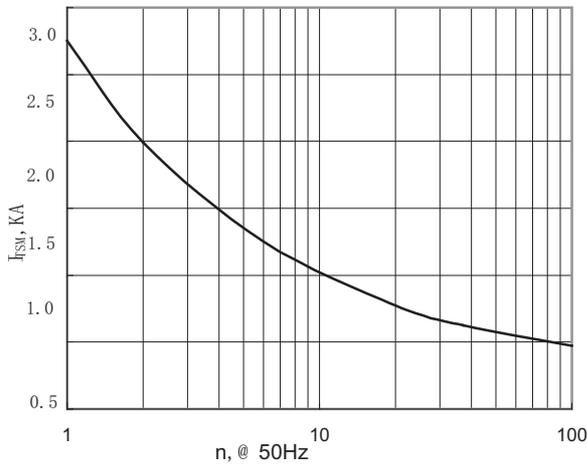
Peak forward Voltage Vs. Peak On-state Current



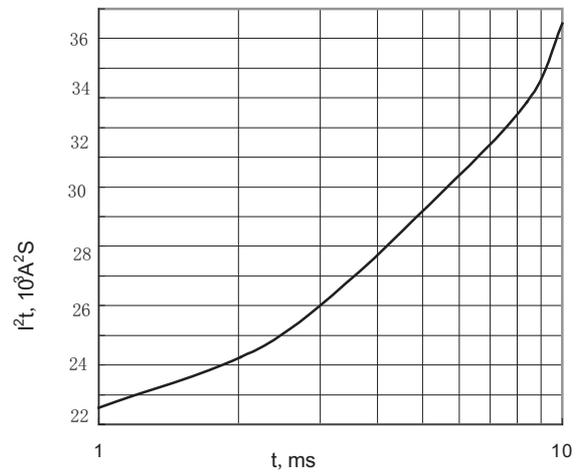
Max. junction To case Thermal Impedance Vs. Time



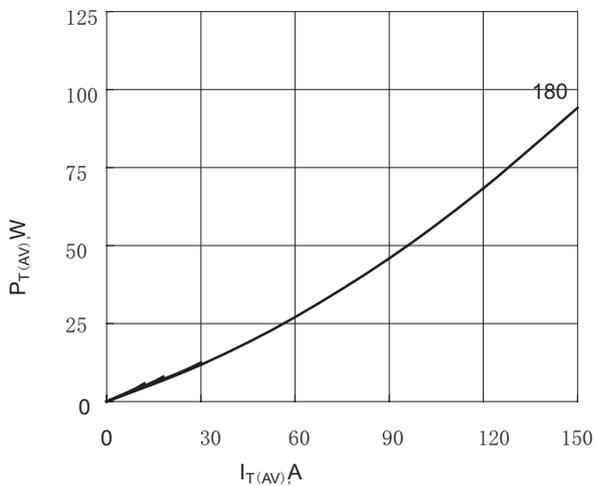
Surge Current Vs. Cycles



I^2t Vs Time



Max. Power Dissipation Vs. Mean On-state Current



Max. case Temperature Vs. Mean On-state Current

