

产品规格书

Specification of products

产品名称:螺旋型整流管

产品型号:ZP200A

浙江世菱半导体有限公司
ZHEJIANG SHILING SEMICONDUCTOR CO., LTD.

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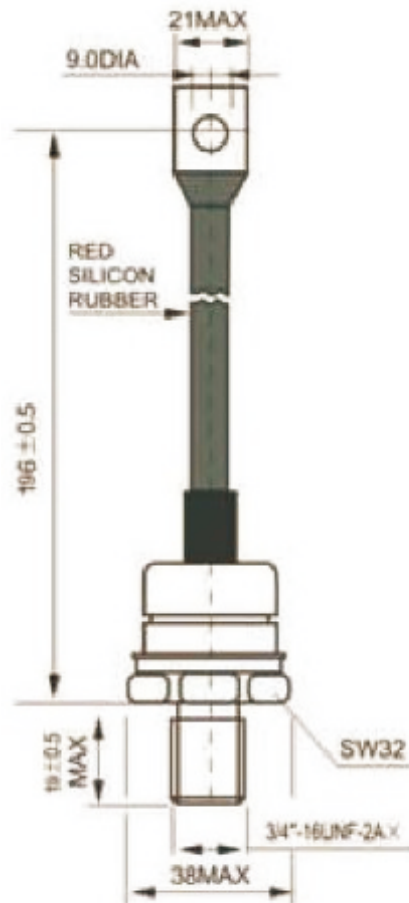
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林益龙	曹剑龙	宗瑞

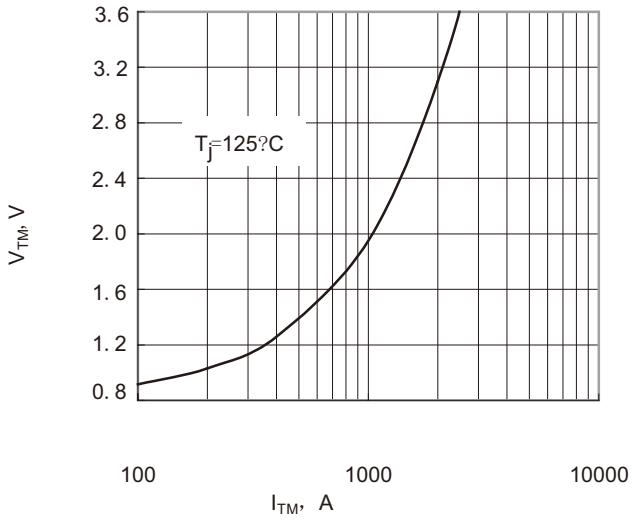
SY M BOL	CH ARACTERIS TIC	TES T CONDI TIONS	T _j (°C)	VALUE			UNIT	
				M in	Type	M ax		
I _{F(AV)}	Mean forward current	180° half sine wave 50Hz single side cooled, T _{HS} =55° C	150			287	A	
I _{F(AV)}	Mean forward current	180° half sine wave 50Hz single side cooled, T _{HS} =90° C	150			200	A	
V _{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			2.8	KA	
I ² T I	² T for fusing coordination	V _R =0.6V _{RRM}					40	A ² s*10 ³
V _{FO}	Threshold voltage		150			1.28	V	
r _F	Forward slop resistance						1.12	mW
V _{FM}	Peak on-state voltage	T _M =600A	150			2.0	V	
I _{rm}	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 27 Nm				0.16	°C/W	
F _m	M ounting torque			25		30	N.m	
T _{stg}	Stored temperature			-40		160	° C	
Outline								

Outline

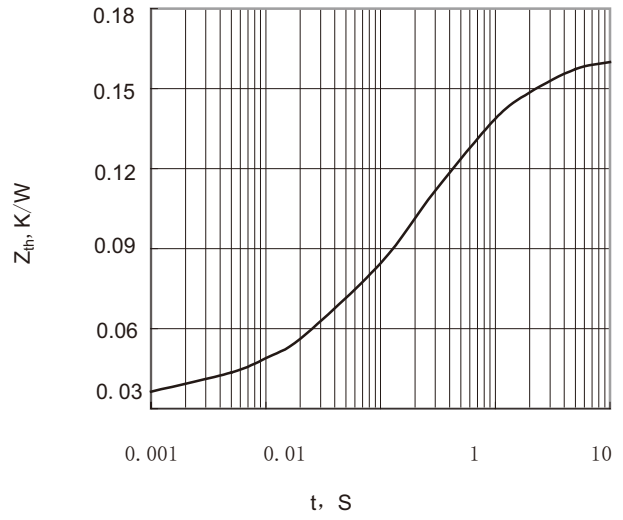


*FOR METRIC DEVICES:
M20×1.5/M16×1.5-LENGTH 21 MAX

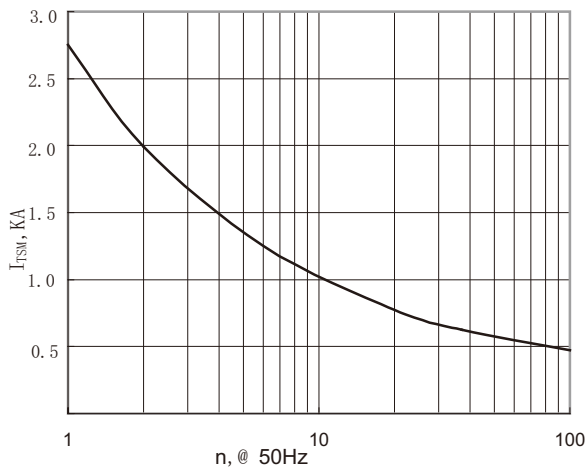
Peak forward Voltage Vs. Peak On-state Current



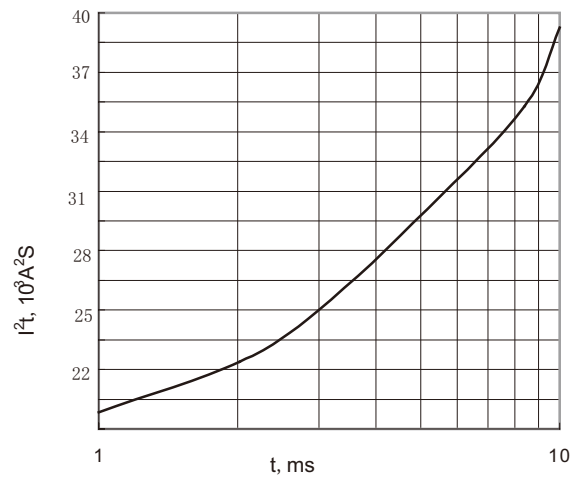
Max. junction To case Thermal Impedance Vs. Time



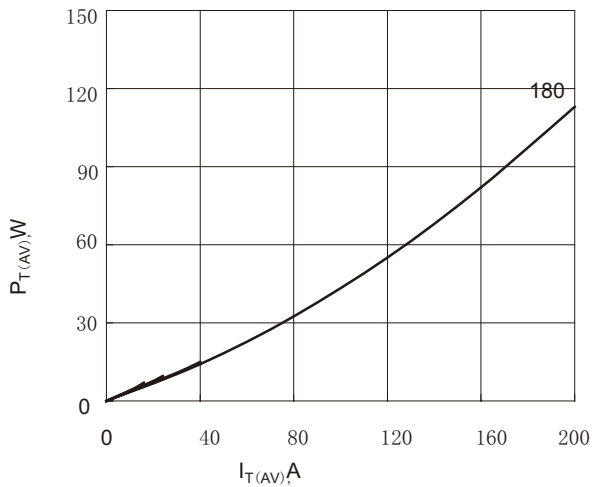
Surge Current Vs. Cycles



I^2t Vs Time



Max. Power Dissipation Vs. Mean On-state Current



Max. case Temperature Vs. Mean On-state Current

