



浙江世菱电力电子有限公司
ZHEJIANG SHILING POWER ELECTRON CO.,LTD.

产品规格书

Specification of Products

产品名称：平板型

产品型号：1200A

浙江世菱电力电子有限公司
ZHEJIANG SHILING POWER ELECTRON CO.,LTD.

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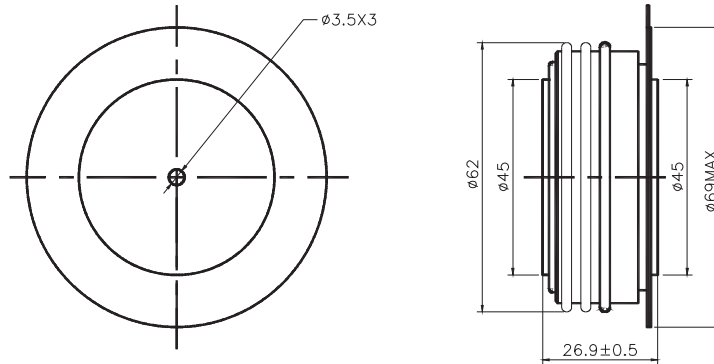
Http://www.smrshiling.com

拟制	审核	核准
丁国盛	曹剑龙	宗瑞

版本号：02 更新日期：2015.1.6

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T _j (C)	VALUE			UNIT	
				Min	Type	Max		
I _{F(AV)}	Mean forward current	180 half sinewave 50Hz Double side cooled, $\bar{T}_S=55C$	150			2106	A	
I _{F(AV)}	Mean forward current	180 half sinewave 50Hz Double side cooled, $\bar{T}_S=90C$	150			1522	A	
V _{RRM}	Repetitive peak reverse voltage	V _{RRM} tp=10ms V _{RSM} =V _{RRM} +100V	150	200		1000	V	
I _{RRM}	Repetitive peak current	at V _{RRM}	150			60	mA	
I _{FSM}	Surge forward current	10ms half sine wave	150			27.4	KA	
I ² T I	² T for fusing coordination	V _R =0.6V _{RRM}					3748	A ² s*10 ³
V _{FO}	Threshold voltage		150			0.82	V	
r _F	Forward slop resistance						0.13	mΩ
V _{FM}	Peak on-state voltage	T _M =3800A, F=21KN	150			1.32	V	
I _{rm}	Reverse recovery current		150			128	A	
t _{rr}	Reverse recovery time	I _{TM} =1000A, tp=1000 s, di/dt=-40A/s, V _R =50V					4.9	s
Q _{rr}	Recovery charge						313	C
R _{th(j-h)}	Thermal resistance Junction to heatsink	At 180° sine double side cooled Clamping force 21KN				0.030	C /W	
F _m	Mounting force			18		25	KN	
T _{stg}	Stored temperature			-40		160	C	
W _t	Weight				400		g	
Outline	ZT44cT							

Outline



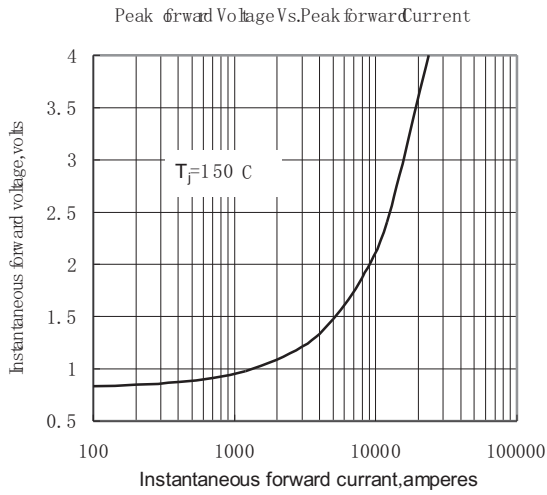


Fig. 1

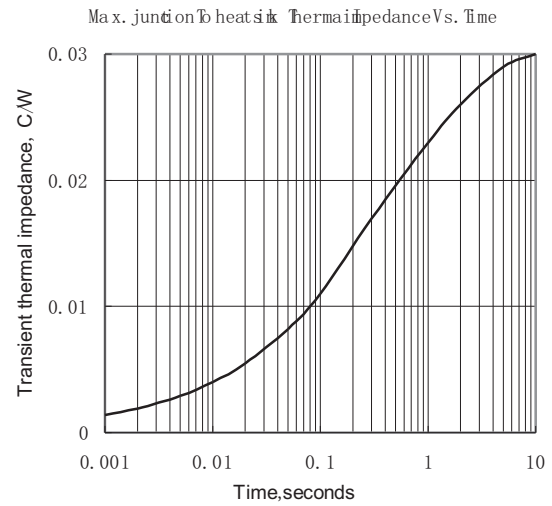


Fig. 2

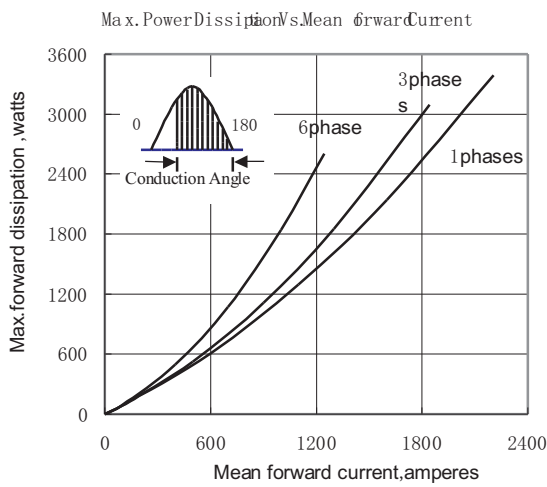


Fig. 3

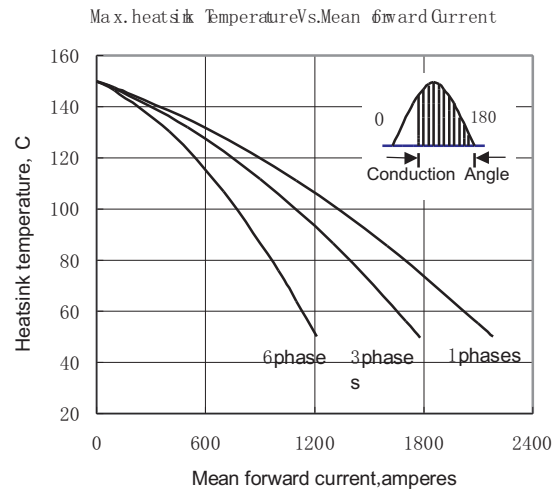


Fig. 4

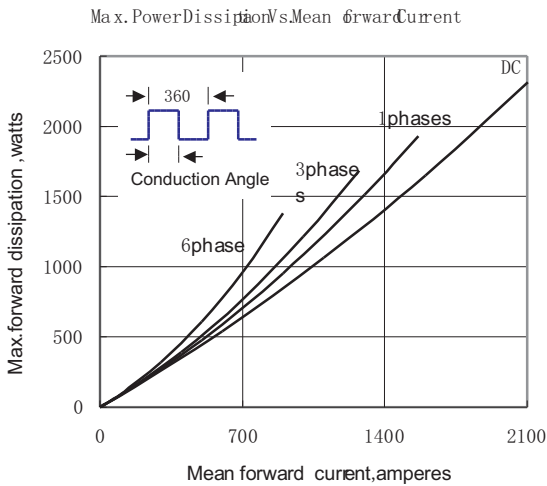


Fig. 5

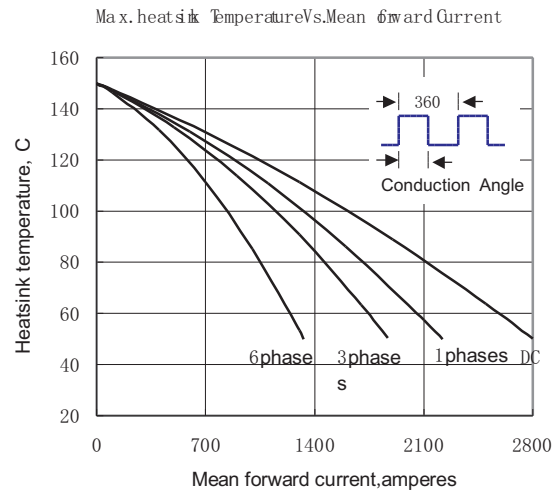


Fig. 6