

产品规格书

Specification of Products

产品名称：平板型

产品型号：1600A

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ZHEJIANG SHILING POWER ELECTRON CO.,LTD.

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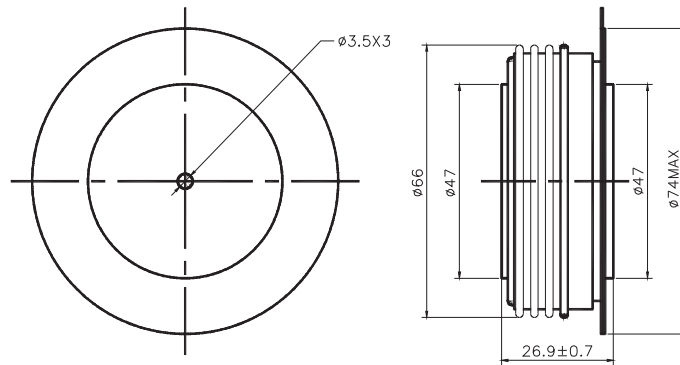
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拟制	审核	核准
丁国盛	曹剑龙	宗瑞

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T _j (C)	VALUE			UNIT	
				Min	Type	Max		
I _{F(AV)}	Mean forward current	180 half sine wave 50Hz Double side cooled, T _S =55 C	150			2565	A	
I _{F(AV)}	Mean forward current	180 half sine wave 50Hz Double side cooled, T _S =90 C	150			1883	A	
V _{RRM}	Repetitive peak reverse voltage	V _{RRM} tp=10ms V _{RSM} = V _{RRM} +100 V	150	200		1000	V	
I _{RRM}	Repetitive peak current	at V _{RRM}	150			80	mA	
I _{FSM}	Surge forward current	10ms half sine wave	150			33.3	KA	
I ² T I	I ² T for fusing coordination	V _R =0.6V _{RRM}					5559	A ² s*10 ³
V _{FO}	Threshold voltage		150			0.80	V	
r _F	Forward slop resistance						0.14	mΩ
V _{FM}	Peak on-state voltage	T _M =4500A, F=24KN	150			1.43	V	
I _m	Reverse recovery current		150			128	A	
t _{rr}	Reverse recovery time	I _{TM} =1000A, tp=1000 s, di/dt=40A/s, V _R =50V					5.5	s
Q _{rr}	Recovery charge						352	C
R _{th(j-h)}	Thermal resistance Junction to heatsink	At 180° sine double side cooled Clamping force 24KN				0.022	C /W	
F _m	Mounting force			19		26	KN	
T _{stg}	Stored temperature			-40		160	C	
W _t	Weight				470		g	
Outline	ZT50cT							

Outline



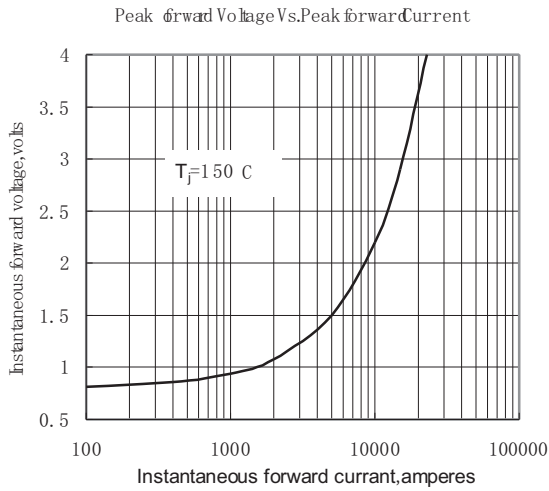


Fig. 1

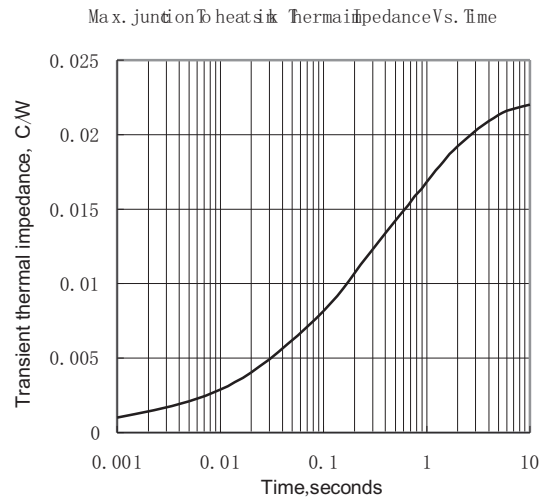


Fig. 2

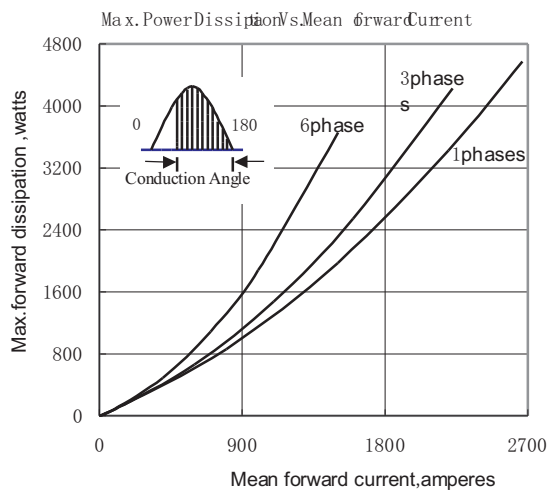


Fig. 3

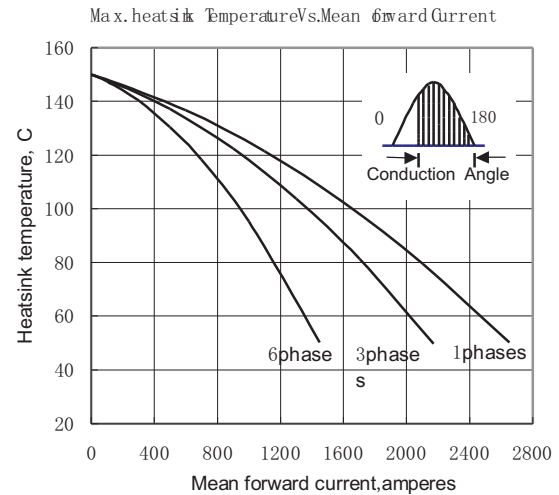


Fig. 4

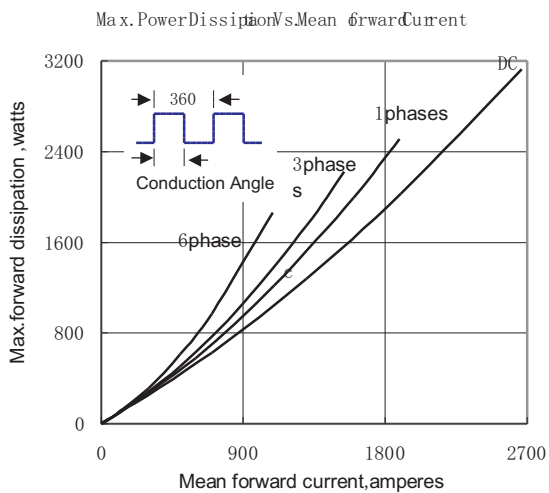


Fig. 5

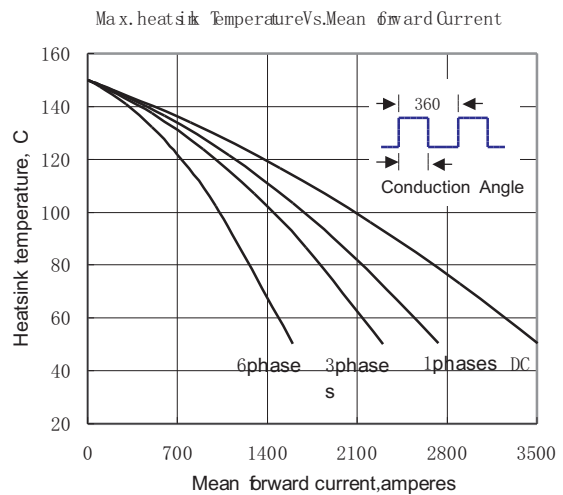


Fig. 6