



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：平板型

产品型号：ZP4000A

浙江芯芯电子有限公司

ZHEJIANG XINXIN ELECTIRICAL CO., LTD.

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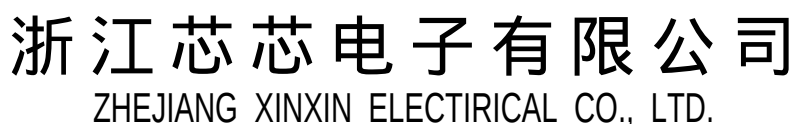
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拟制	审核	核准
丁国盛	李园利	麻伟阳

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$$34445 \quad 10^3 \text{ A}^2 \text{ S}$$


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 _C =55°C	175			8680	A
			T _C =85°C				7230	
V _{RRM}	Repetitive peak reverse voltage	V _{RRM} tp=10ms V _{RSM} = V _{RRM} +100V		175	1100		2000	V
I _{RRM}	Repetitive peak current	V _{RM} = V _{RRM}		175			200	mA
I _{FSM}	Surge forward current	10ms half sine wave		175			83	kA
I ² t	I ² T for fusing coordination	V _R =0.6V _{RRM}					34445	A ² s*10 ³
V _{FO}	Threshold voltage			175			0.80	V
r _F	Forward slop resistance						0.055	mΩ
V _{FM}	Peak on-state voltage	I _{FM} =5000A, F=70kN		175			1.16	V
Q _{rr}	Recovery charge	I _{FM} =2000A, tp=2000μs, di/dt=-20A/μs, V _R =50V		175		6000		μC
R _{th(j-c)}	Thermal resistance Junction to case	At 180° sine double side cooled Clamping force 70kN					0.007	°C /W
R _{th(c-h)}	Thermal resistance case to heat sink						0.002	
F _m	Mounting force				70		85	kN
T _{stg}	Stored temperature				-40		175	°C
W _t	Weight					1390		g
Outline	ZT84cT							

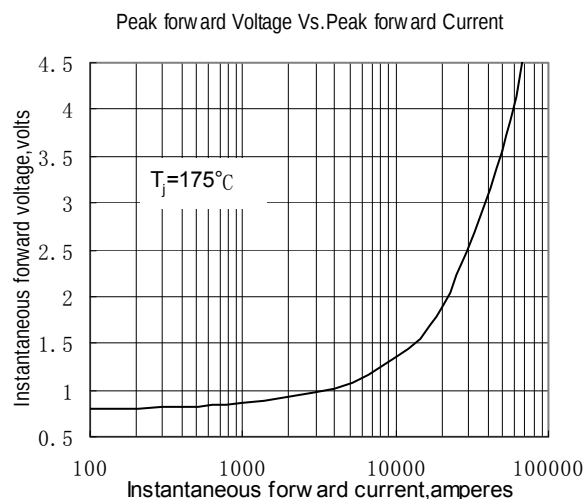


Fig.1

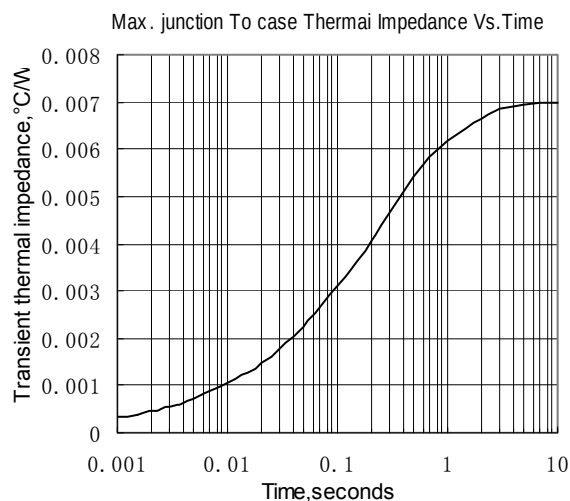


Fig.2

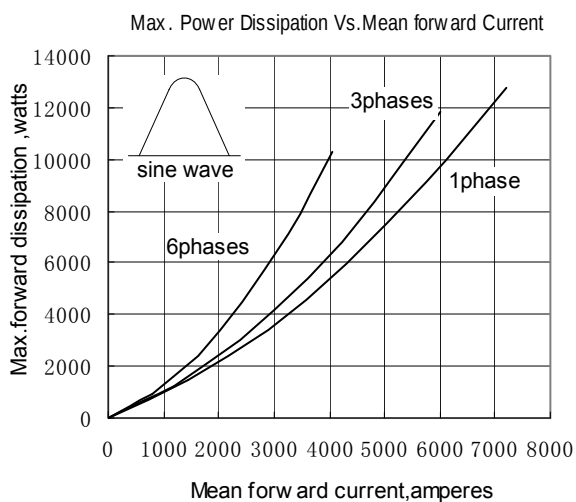


Fig.3

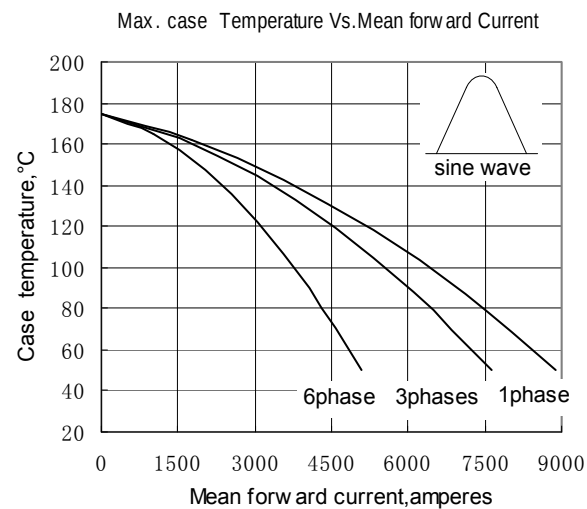


Fig.4

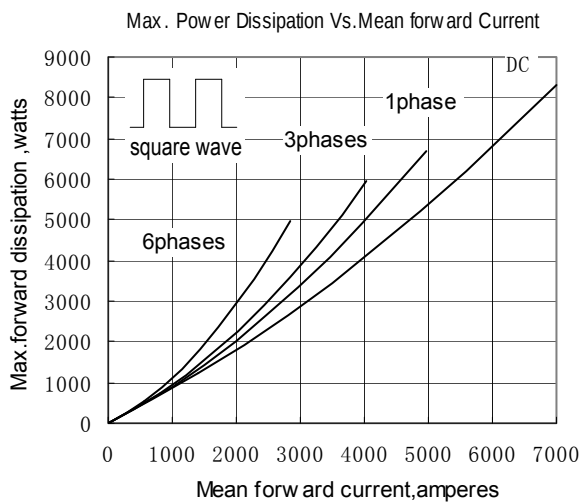


Fig.5

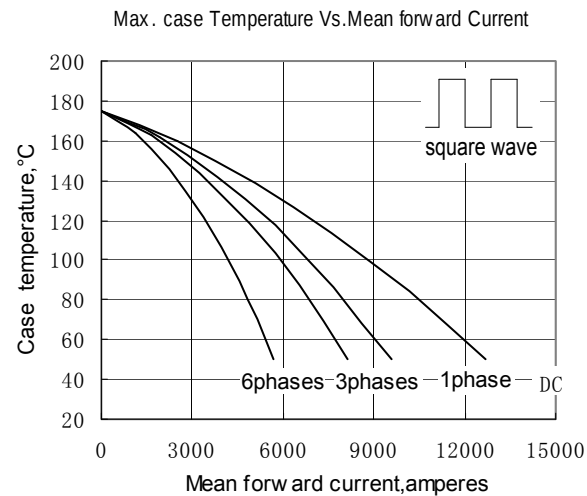


Fig.6

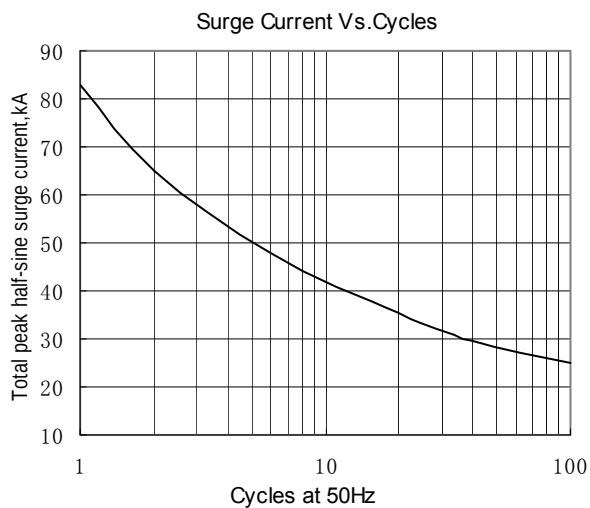


Fig.7

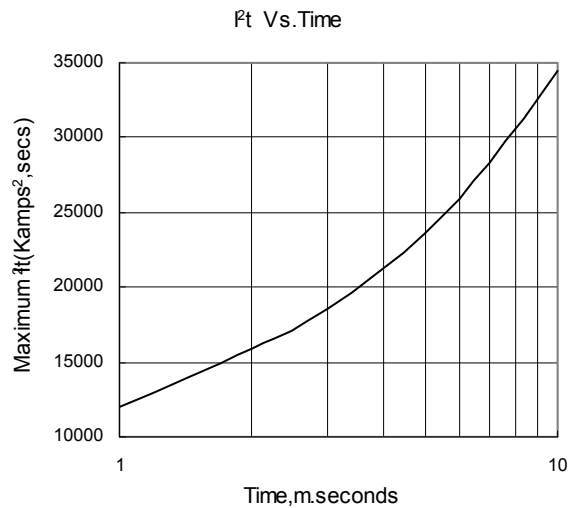


Fig.8

Outline:

