



浙江芯芯电子有限公司  
ZHEJIANG XINXIN ELECTRICAL CO., LTD.

## 产品规格书

### Specification of Products

产品名称：平板型

产品型号：ZP800A

浙江芯芯电子有限公司

ZHEJIANG XINXIN ELECTRICAL CO., LTD.

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### Features

- Low forward voltage drop
- High reverse voltage
- Hermetic metal cases with ceramic insulators

### Typical Applications

- All purpose high power rectifier diodes
- High power resistance welding equipment
- Non-controllable and half-controllable rectifiers
- Controlled rectifiers

$I_{F(AV)}$	1700 A
$V_{RRM}$	200~1000 V
$I_{FSM}$	18 KA
$I^2t$	1620 $10^3 A^2S$



SYMBOL	CHARACTERISTIC	TEST CONDITIONS	$T_j(^{\circ}C)$	VALUE			UNIT
				Min	Type	Max	
$I_{F(AV)}$	Mean forward current	180° half sine wave 50Hz Double side cooled,	190			1990	A
						1700	
$V_{RRM}$	Repetitive peak reverse voltage	$V_{RRM}$ tp=10ms $V_{RSM}=V_{RRM}+100V$	190	200		1000	V
$I_{RRM}$	Repetitive peak current	$V_{RM}=V_{RRM}$	190			40	mA
$I_{FSM}$	Surge forward current	10ms half sine wave $V_R=0.6V_{RRM}$	190			18	KA
$I^2t$	$I^2T$ for fusing coordination					1620	$A^2s \times 10^3$
$V_{FO}$	Threshold voltage		190			0.81	V
$r_F$	Forward slop resistance					0.23	mΩ
$V_{FM}$	Peak on-state voltage	$I_{FM}=4400A, F=15KN$	190			1.82	V
$Q_{rr}$	Recovery charge	$I_{FM}=2000A, tp=2000\mu s, di/dt=-20A/\mu s, V_R=50V$	190		1900		μC
$R_{th(j-c)}$	Thermal resistance Junction to case	At 180° sine double side cooled Clamping force 15.0KN				0.035	°C /W
$R_{th(c-h)}$	Thermal resistance case to heat sink					0.008	
$F_m$	Mounting force			10		20	KN
$T_{stg}$	Stored temperature			-40		190	°C
$W_t$	Weight				240		g
Outline		ZT33cT					

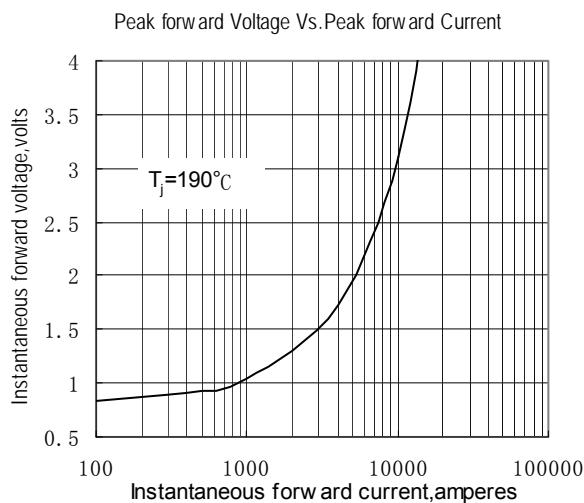


Fig.1

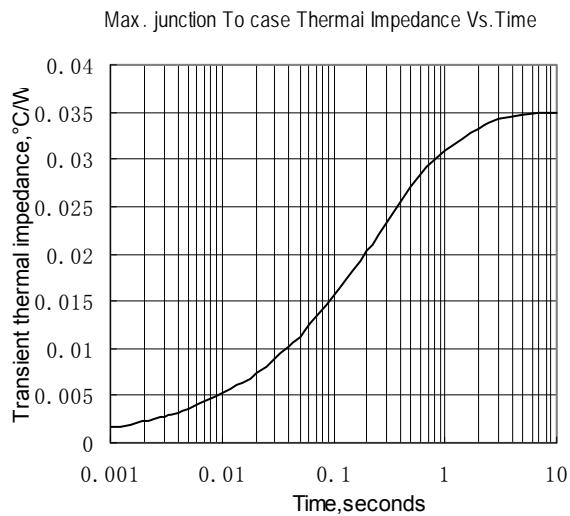


Fig.2

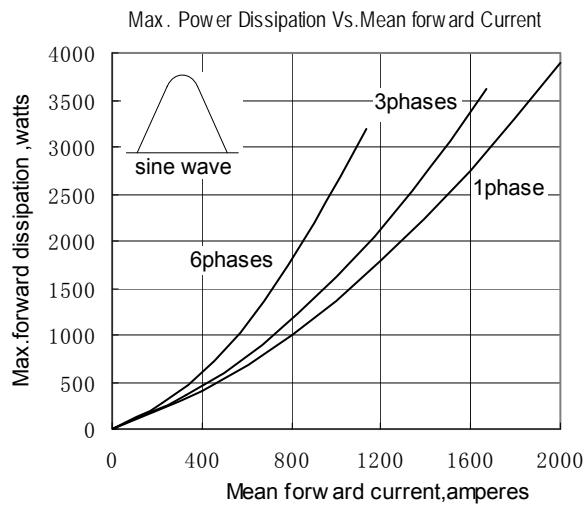


Fig.3

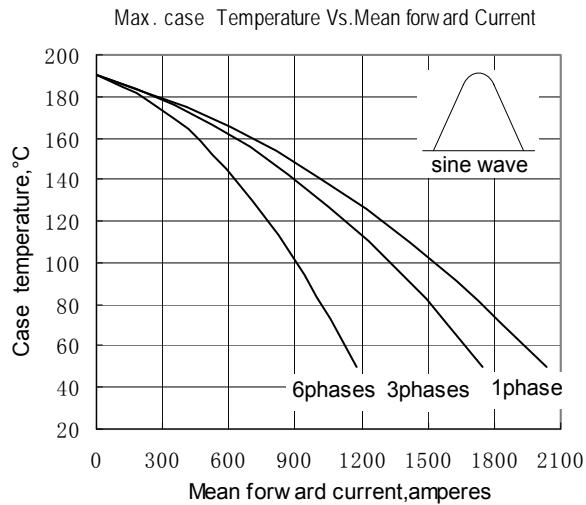


Fig.4

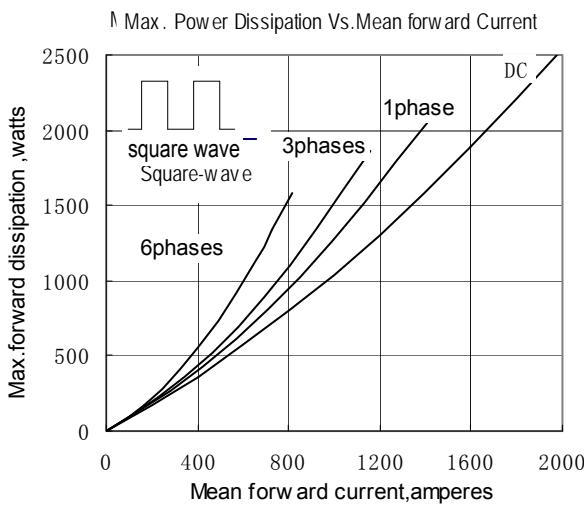


Fig.5

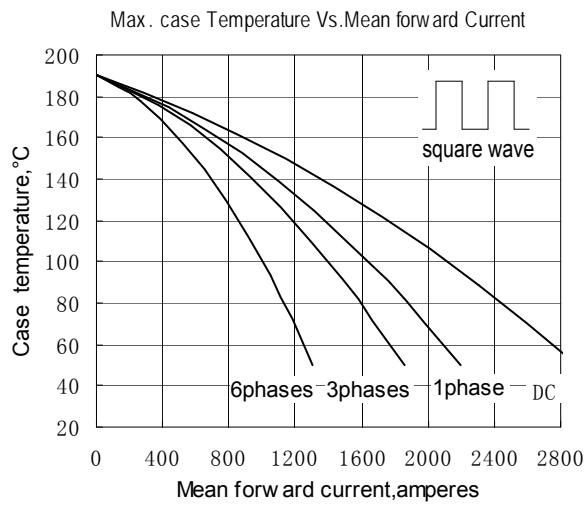


Fig.6

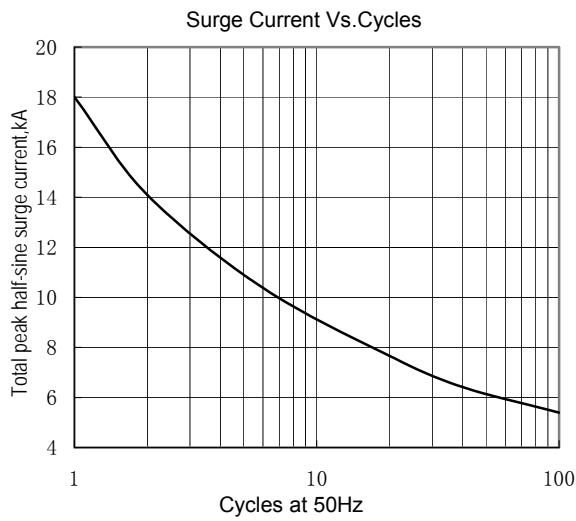


Fig.7

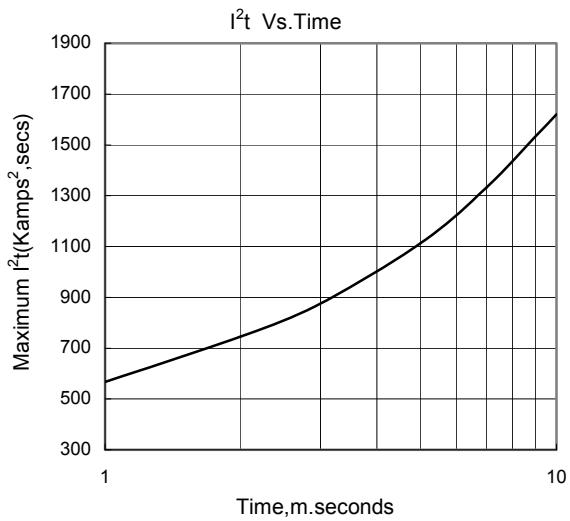


Fig.8

**Outline:**

