



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：800A

浙江芯芯电子有限公司

ZHEJIANG XINXIN ELECTRICAL CO., LTD.

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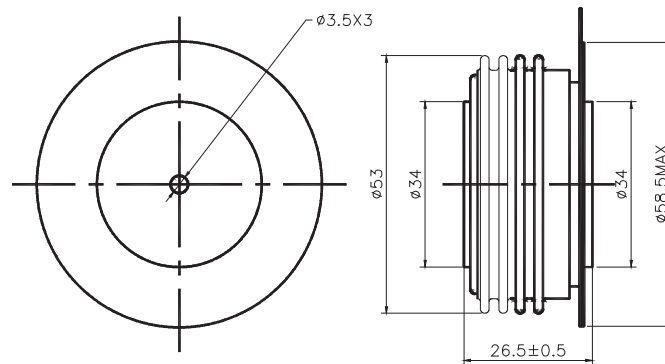
<http://www.zjxxdz1.com>

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| 拟制  | 审核  | 核准  |
| 丁国盛 | 李园利 | 麻伟阳 |

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| SYMBOL               | CHARACTERISTIC                             | TEST CONDITIONS                                                        | T <sub>j</sub> (C ) | VALUE |      |       | UNIT                             |
|----------------------|--------------------------------------------|------------------------------------------------------------------------|---------------------|-------|------|-------|----------------------------------|
|                      |                                            |                                                                        |                     | Min   | Type | Max   |                                  |
| I <sub>F(AV)</sub>   | Mean forward current                       | 180 half sinewave 50Hz<br>Double side cooled, T <sub>S</sub> =55C      | 150                 |       |      | 1500  | A                                |
| I <sub>F(AV)</sub>   | Mean forward current                       | 180 half sinewave 50Hz<br>Double side cooled, T <sub>S</sub> =90C      | 150                 |       |      | 1108  | A                                |
| V <sub>RRM</sub>     | Repetitive peak reverse voltage            | V <sub>RRM</sub> tp=10ms<br>V <sub>RSM</sub> = V <sub>RRM</sub> +100V  | 150                 | 1100  |      | 2000  | V                                |
| I <sub>RRM</sub>     | Repetitive peak current                    | at V <sub>RRM</sub>                                                    | 150                 |       |      | 40    | mA                               |
| I <sub>FSM</sub>     | Surge forward current                      | 10ms half sine wave                                                    | 150                 |       |      | 19.5  | KA                               |
| I <sup>2</sup> T I   | <sup>2</sup> T for fusing coordination     | V <sub>R</sub> =0.6V <sub>RRM</sub>                                    |                     |       |      | 1901  | A <sup>2</sup> s*10 <sup>3</sup> |
| V <sub>FO</sub>      | Threshold voltage                          |                                                                        | 150                 |       |      | 0.85  | V                                |
| r <sub>F</sub>       | Forward slop resistance                    |                                                                        |                     |       |      | 0.29  | mΩ                               |
| V <sub>FM</sub>      | Peak onstate voltage I                     | T <sub>M</sub> =3090A, F=15KN                                          | 150                 |       |      | 1.75  | V                                |
| I <sub>rm</sub>      | Reverse recovery current                   | I <sub>TM</sub> =1000A, tp=1000 s,<br>di/d=-40A/s, V <sub>R</sub> =50V | 150                 |       |      | 95    | A                                |
| t <sub>rr</sub>      | Reverse recovery time                      |                                                                        |                     |       |      | 4.3   | s                                |
| Q <sub>rr</sub>      | Recovery charge                            |                                                                        |                     |       |      | 204   | C                                |
| R <sub>th(j-h)</sub> | Thermal resistance<br>Junction to heatsink | At 180° sine double side cooled<br>Clamping force 15KN                 |                     |       |      | 0.033 | C /W                             |
| F <sub>m</sub>       | Mounting force                             |                                                                        |                     | 10    |      | 20    | KN                               |
| T <sub>stg</sub>     | Stored temperature                         |                                                                        |                     | -40   |      | 160   | C                                |
| W <sub>t</sub>       | Weight                                     |                                                                        |                     |       | 260  |       | g                                |
| Outline              | ZT33cT                                     |                                                                        |                     |       |      |       |                                  |

Outline



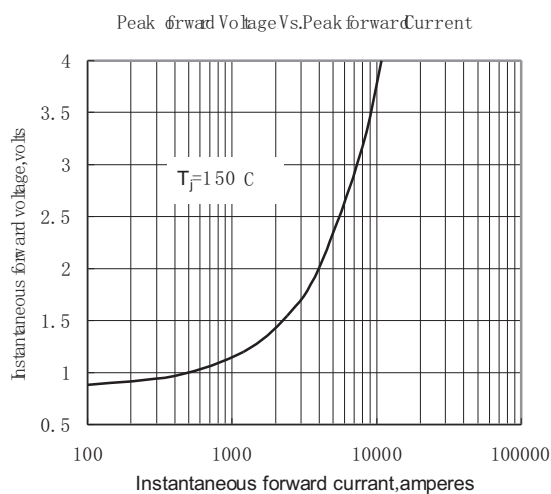


Fig. 1

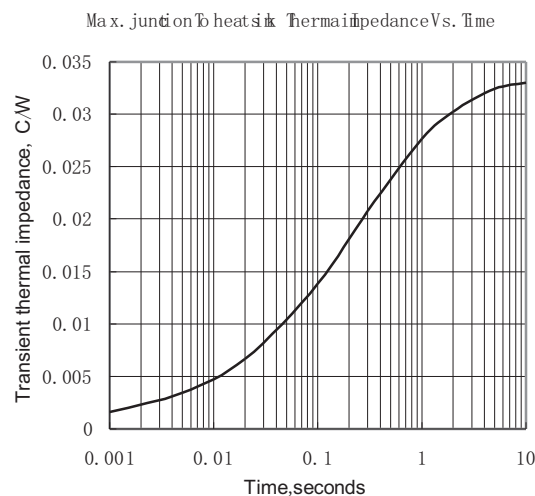


Fig. 2

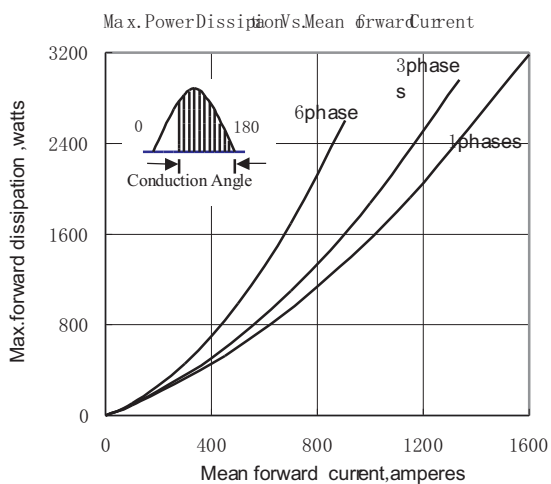


Fig. 3

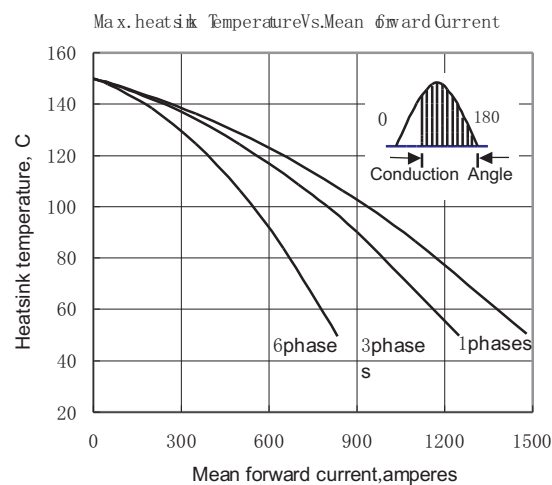


Fig. 4

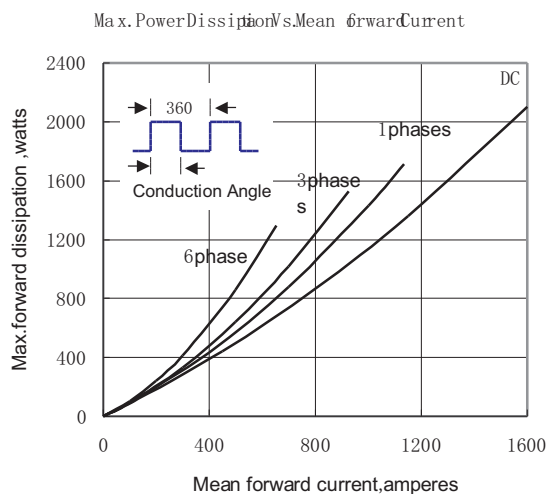


Fig. 5

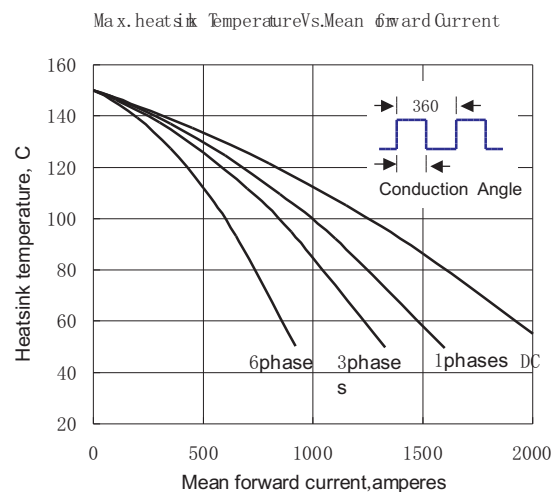


Fig. 6