

## 产品规格书

### Specification of Products

产品名称：整流管模块

产品型号：SKKD55A

### 浙江芯芯电子有限公司

ZHEJIANG XINXIN ELECTIRICAL CO., LTD.

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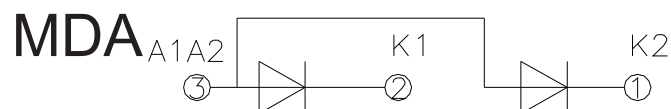
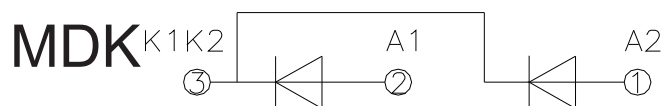
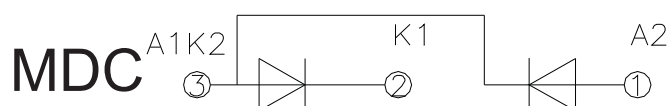
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| 拟制  | 审核  | 核准  |
| 丁国盛 | 李园利 | 麻伟阳 |

| 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>Single side cooled, $\bar{T}=100^{\circ}\text{C}$            | 150                 |       |      | 55    | A     |
| I <sub>F(RMS)</sub>  | RMS forward current                        | Single side cooled, $\bar{T}=100^{\circ}\text{C}$                                       | 150                 |       |      | 86    | A     |
| V <sub>RRM</sub>     | Repetitive peak reverse voltage            | V <sub>RRM</sub> tp=10ms<br>V <sub>RSM</sub> = V <sub>DRM</sub> &V <sub>RRM</sub> +200V | 150                 | 600   |      | 2200  | V     |
| I <sub>RRM</sub>     | Repetitive peak current                    | at V <sub>RRM</sub>   | 150                 |       |      | 8     | mA    |
| I <sub>FSM</sub>     | Surge forward current                      | 10ms half sinewave  | 150                 |       |      | 1.30  | KA    |
| I <sup>2</sup> t     | I <sup>2</sup> T for fusing coordination   | V <sub>R</sub> =0.6V <sub>RRM</sub>   |                     |       |      |       | 8.6   |
| V <sub>FO</sub>      | Threshold voltage                          |   | 150                 |       |      | 0.80  | V     |
| r <sub>F</sub>       | Forward slop resistance                    |   |                     |       |      |       | 3.47  |
| V <sub>FM</sub>      | Peak forward voltage                       | I <sub>M</sub> =165A  | 25                  |       |      | 1.1   | V     |
| R <sub>th(j-c)</sub> | Thermal resistance<br>Junction to heatsink | At 180° sine Single side cooled   |                     |       |      | 0.700 | °C /W |
| V <sub>iso</sub>     | Isolation voltage                          | 50Hz, RM. S, t=1min, i <sub>iso</sub> : 1mA (max)                                       |                     | 2500  |      |       | V     |
| F <sub>m</sub>       | Terminal connection torque(M5)             |   |                     |       |      | 2.0   | N.m   |
|                      | Mounting torque(M6)                        |   |                     |       |      | 3.0   | N.m   |
| T <sub>stg</sub>     | Stored temperature                         |   |                     | -40   |      | 125   | °C    |
| W <sub>t</sub>       | Weight                                     |   |                     |       |      | 110   | g     |
| Outline              |  |   |                     |       |      |       |       |

## OUTLINE DRAWING & CIRCUIT DIAGRAM



## Rating and Characteristic

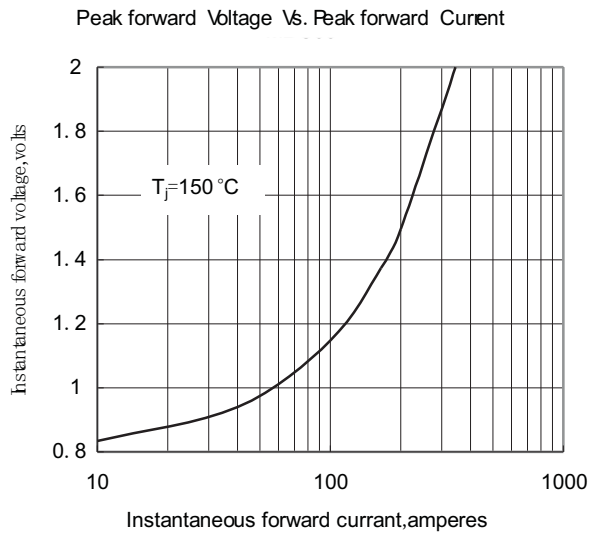


Fig. 1

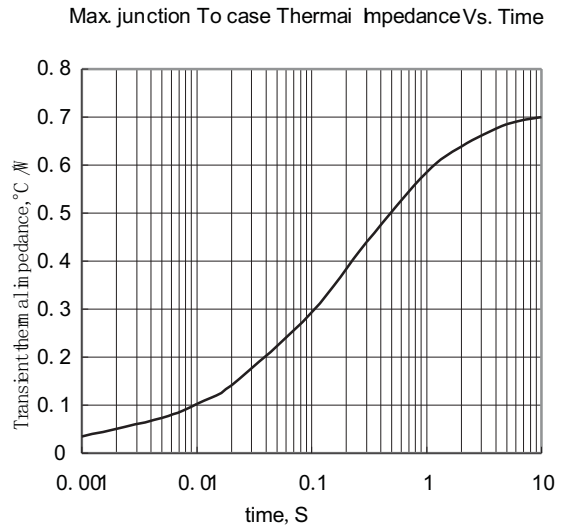


Fig. 2

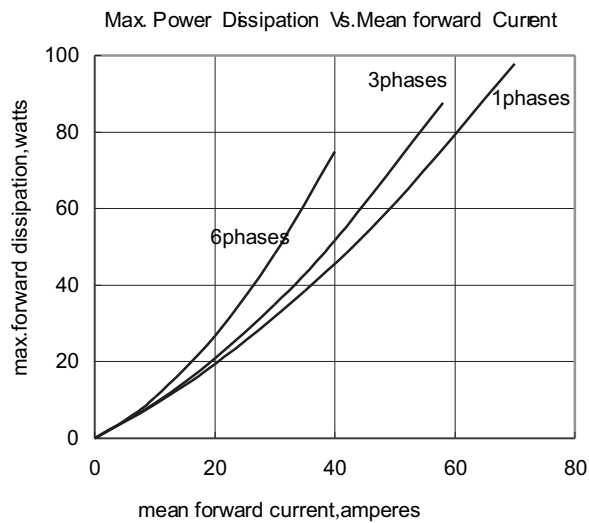


Fig. 3

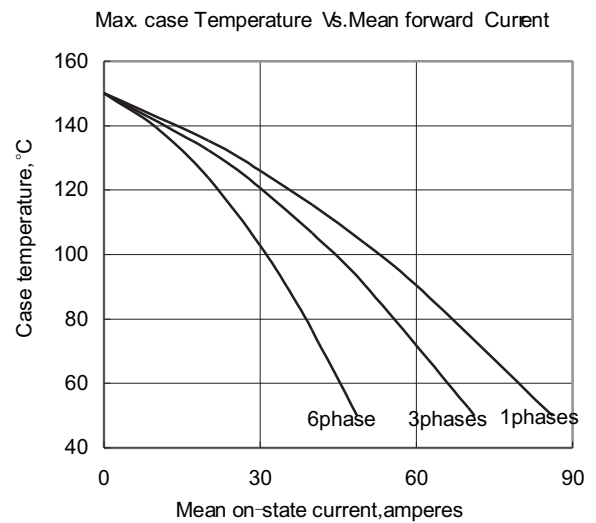


Fig. 4

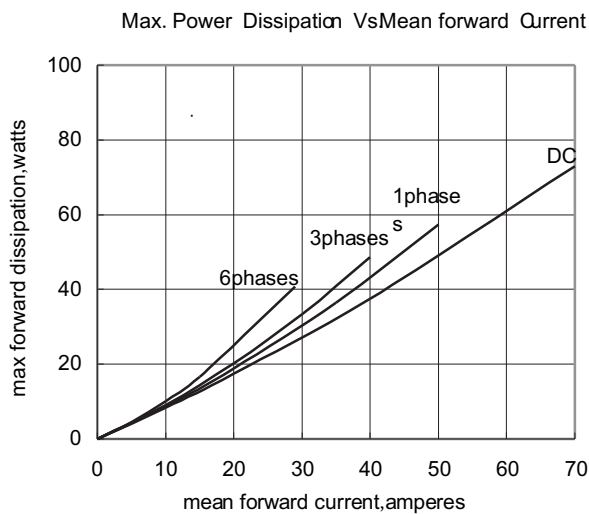


Fig. 5

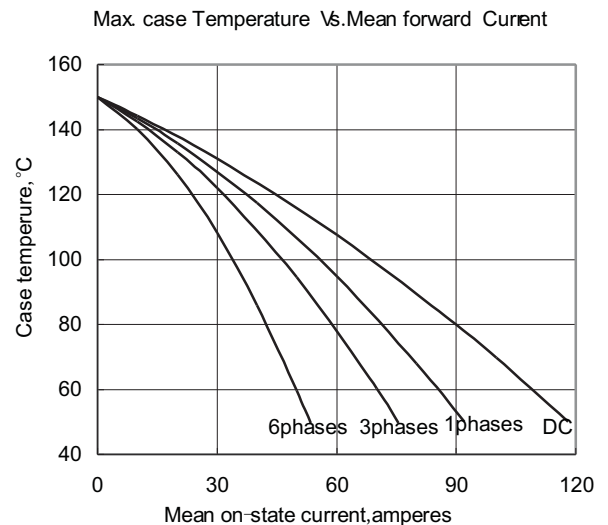


Fig. 6

## Outside Dimension

