

## 产品规格书

### Specification of products

产品名称: 单相整流桥模块

产品型号: MDQ200A-T17

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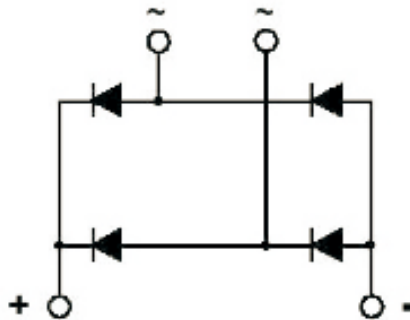
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|-----|-----|----|
| 拟制  | 审核  | 核准 |
| 林益龙 | 曹剑龙 | 宗瑞 |

| SYMBOL               | CHARACTERISTIC                           | TEST CONDITIONS   | T <sub>j</sub> (C) | VALUE |      |       | UNIT                             |
|----------------------|--|---|--------------------|-------|------|-------|----------------------------------|
|                      |  |   |                    | Min   | Type | Max   |                                  |
| I <sub>o</sub>       | DC output current                        | Three-phase full wave rectifying circuit, T <sub>c</sub> =100 C                         | 150                |       |      | 200   | 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                |       |      | 10    | mA                               |
| I <sub>FSM</sub>     | Surge forward current                    | 10ms half sinewave  | 150                |       |      | 3.0   | KA                               |
| I <sup>2</sup> t     | I <sup>2</sup> T for fusing coordination | V <sub>R</sub> =0.6V <sub>RRM</sub>   |                    |       |      | 45    | A <sup>2</sup> s*10 <sup>3</sup> |
| V <sub>FO</sub>      | Threshold voltage                        |   | 150                |       |      | 0.80  | V                                |
| r <sub>F</sub>       | Forward slop resistance                  |   |                    |       |      | 1.20  | mΩ                               |
| V <sub>FM</sub>      | Peak forward voltage                     | I <sub>FM</sub> =200A   | 25                 |       |      | 1.1   | V                                |
| R <sub>th(j-c)</sub> | Thermal resistance Junction to heatsink  | Single side cooled  |                    |       |      | 0.150 | C /W                             |
| V <sub>iso</sub>     | Isolation voltage                        | 50Hz, R.M. S, t=1min, I <sub>iso</sub> : 1mA (max)                                      |                    | 2500  |      |       | V                                |
| F <sub>m</sub>       | Terminal connection torque( M6)          |   |                    |       | 5.0  |       | N·m                              |
|                      | Mounting torque( M5)                     |   |                    |       | 4.0  |       | N·m                              |
| T <sub>stg</sub>     | Stored temperature                       |   |                    | -40   |      | 125   | C                                |
| W <sub>t</sub>       | Weight                                   |   |                    |       | 446  |       | g                                |
| Outline              |  |   |                    |       |      |       |                                  |

### OUTLINE DRAWING & CIRCUIT DIAGRAM



## Rating and Characteristic

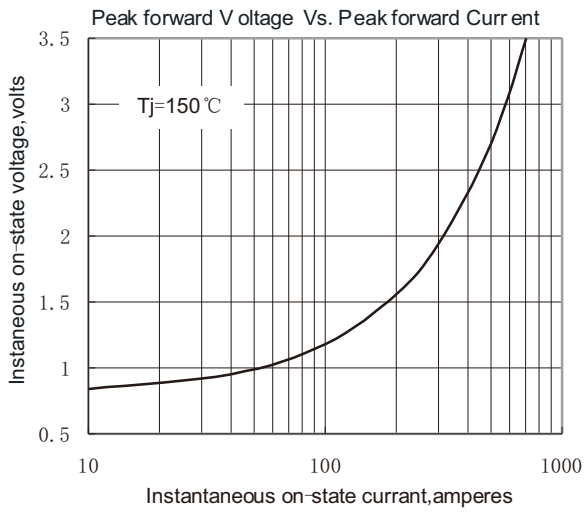


Fig. 1

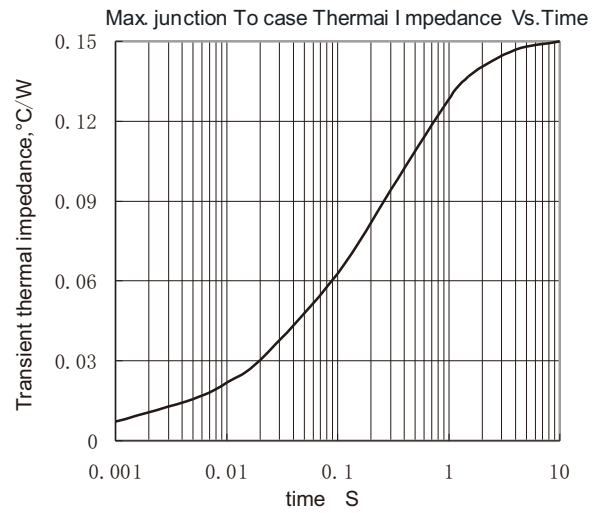


Fig. 2

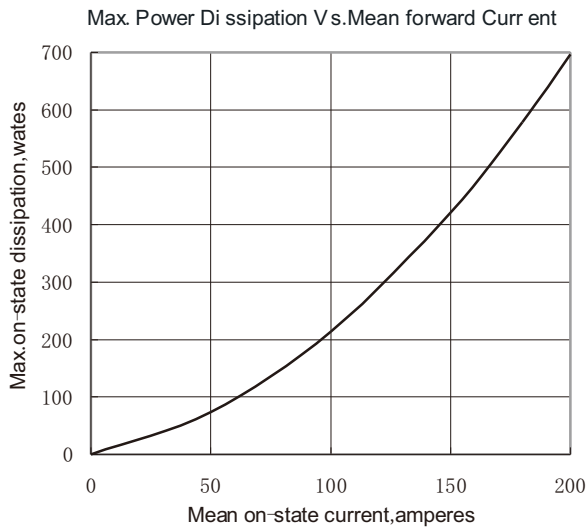


Fig. 3

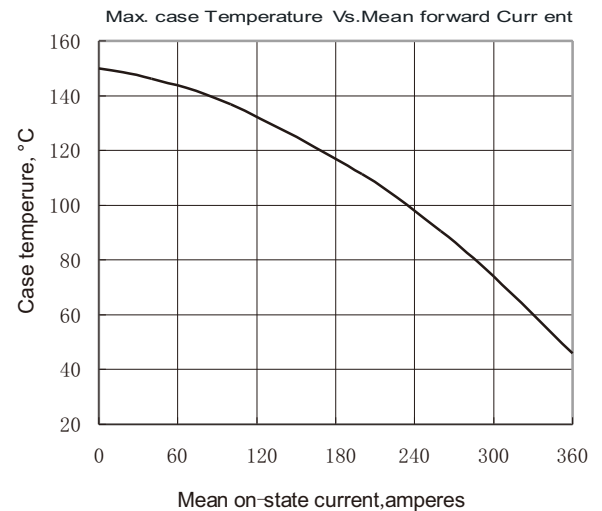


Fig. 4

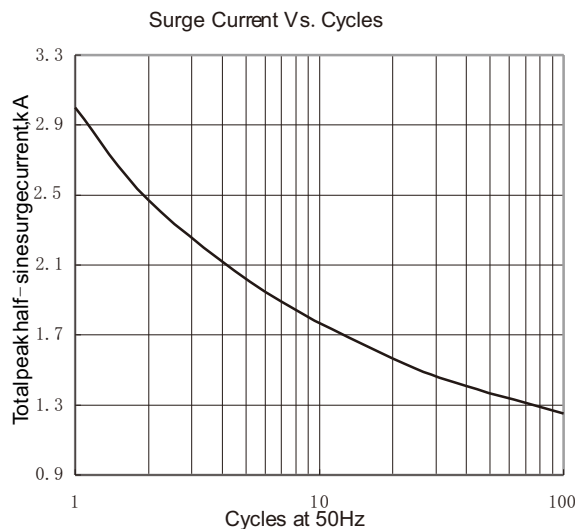


Fig. 5

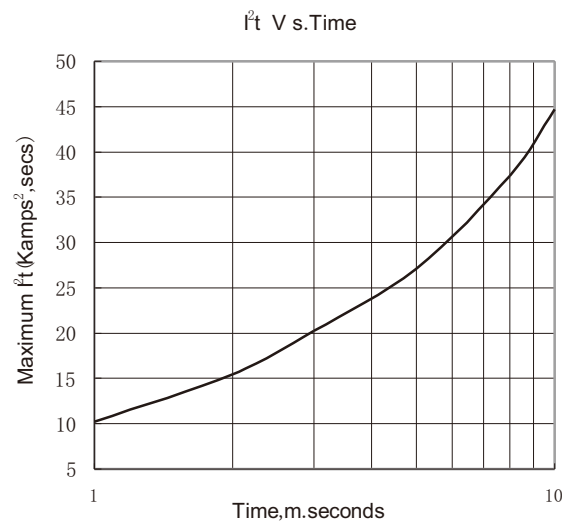


Fig. 6

## Outside Dimension

2- M8

