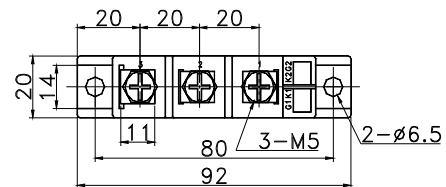
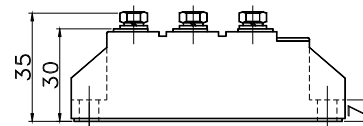
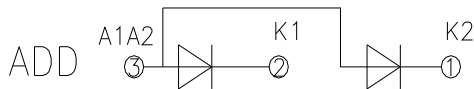
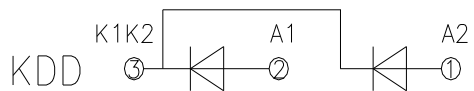
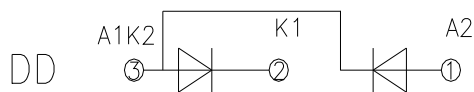


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| SYMBOL               | CHARACTERISTIC                             | TEST CONDITIONS                                                                         | T <sub>j</sub> (°C) | VALUE |      |       | UNIT                             |
|----------------------|--------------------------------------------|-----------------------------------------------------------------------------------------|---------------------|-------|------|-------|----------------------------------|
|                      |                                            |                                                                                         |                     | Min   | Type | Max   |                                  |
| I <sub>F(AV)</sub>   | Mean forward current                       | 180° half sine wave 50Hz<br>Single side cooled, T <sub>C</sub> =100°C                   | 150                 |       |      | 26    | A                                |
| I <sub>F(RMS)</sub>  | RMS forward current                        | Single side cooled, T <sub>C</sub> =100°C                                               | 150                 |       |      | 41    | 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   |      | 1800  | 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 sine wave                                                                     | 150                 |       |      | 0.65  | KA                               |
| I <sup>2</sup> t     | I <sup>2</sup> T for fusing coordination   | V <sub>R</sub> =0.6V <sub>RRM</sub>                                                     |                     |       |      | 2.1   | 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                    |                                                                                         |                     |       |      | 9.80  | mΩ                               |
| V <sub>FM</sub>      | Peak forward voltage                       | I <sub>FM</sub> =78A                                                                    | 25                  |       |      | 1.65  | V                                |
| R <sub>th(j-c)</sub> | Thermal resistance<br>Junction to heatsink | At 180° sine Single side cooled                                                         |                     |       |      | 1.300 | °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(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                                     |                                                                                         |                     |       | 100  |       | g                                |
| Outline              | 201F3                                      |                                                                                         |                     |       |      |       |                                  |

OUTLINE DRAWING & CIRCUIT DIAGRAM



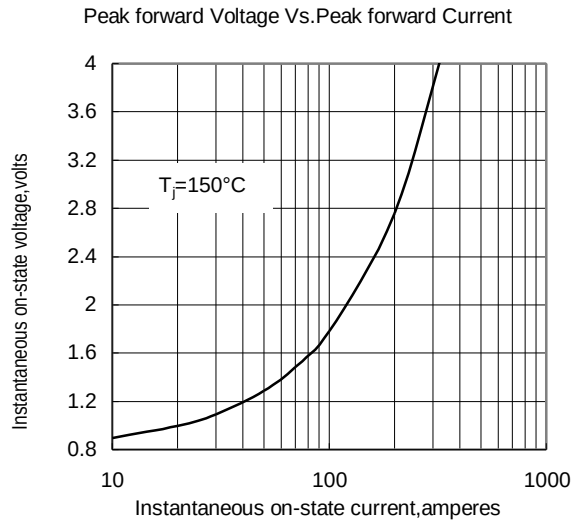


Fig.1

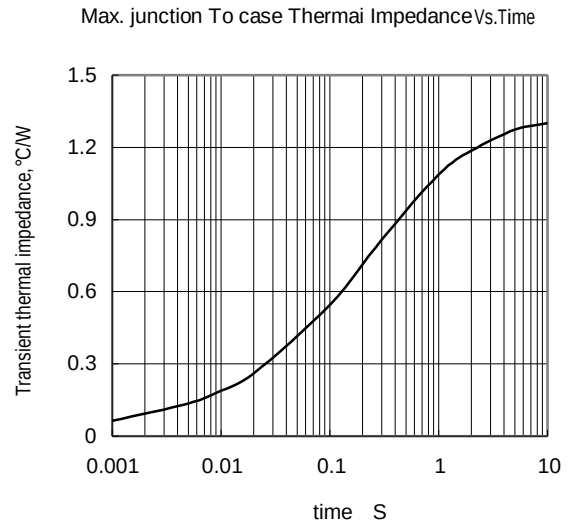


Fig.2

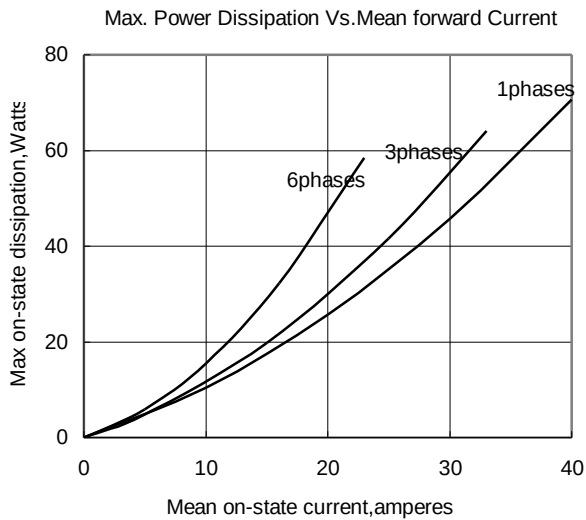


Fig.3

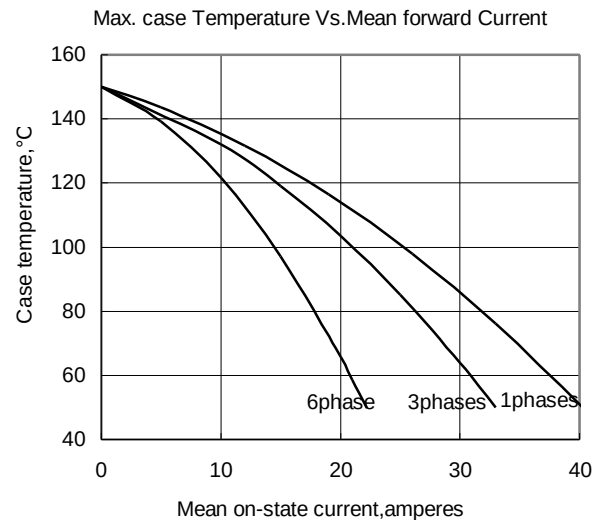


Fig.4

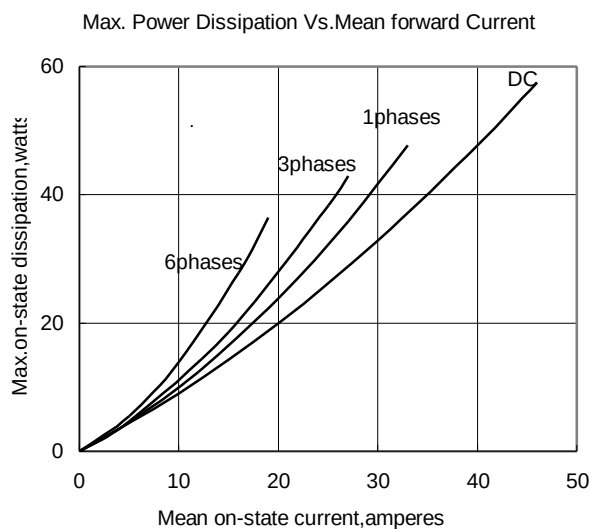


Fig.5

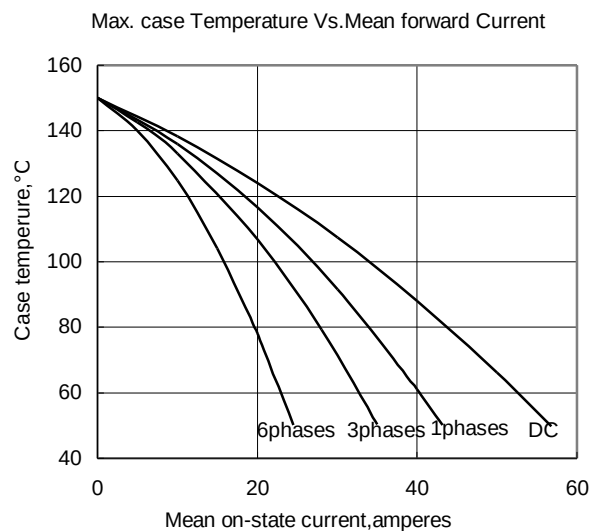


Fig.6