



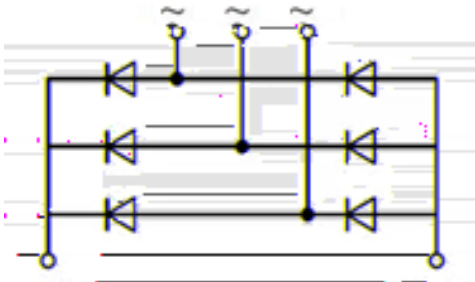
L  
L  
H

|                                         |      |   |
|-----------------------------------------|------|---|
|                                         |      |   |
| V <sub>RRM</sub>                        | 1600 | V |
| I <sub>D</sub>                          | 160  | A |
| I <sub>FSM</sub> (@ <sub>p</sub> = 10 ) | 2000 | A |
| V <sub>F</sub> (M )                     | 1.40 | V |

F  
L  
N -

DC

AC  
AC/DC



(@ T<sub>C</sub> = 25 C )

|                |                           |                  |           |                |
|----------------|---------------------------|------------------|-----------|----------------|
|                |                           |                  |           |                |
| R              |                           | V <sub>RRM</sub> | 1600      | V              |
| N -            |                           | V <sub>RSM</sub> | 1700      | V              |
| O              | T <sub>C</sub> = 100°C    | I <sub>D</sub>   | 160       | A              |
| F              | 1/2 , S , 50H<br>T = 25°C | I <sub>FSM</sub> | 2000      | A              |
| I <sup>2</sup> |                           | I <sup>2</sup>   | 20000     | A <sup>2</sup> |
| RMS            | A.C 50H (1 /1 )           | V <sub>ISO</sub> | 3600/3000 | V              |
| J              |                           | T <sub>J</sub>   | -40 +150  | °C             |
| S              |                           | T                | -40 +125  | °C             |



(@ T<sub>C</sub> = 25 °C )

| F | I <sub>D</sub> = 160A, T = 25°C               | V <sub>F</sub>   |  | 1.20 | 1.40 | V |
|---|-----------------------------------------------|------------------|--|------|------|---|
| R | V <sub>R</sub> = V <sub>RRM</sub> , T = 25°C  | I <sub>RRM</sub> |  |      | 0.5  | A |
|   | V <sub>R</sub> = V <sub>RRM</sub> , T = 150°C |                  |  |      | 10   | A |
| T | F<br>T = 150°C,                               | V <sub>TO</sub>  |  |      | 0.86 | V |
| D |                                               | T                |  |      | 3.1  |   |

(@ T<sub>C</sub> = 25 °C )

| T<br>( ) |         | R (-) |      |  | 0.65 | K/ |
|----------|---------|-------|------|--|------|----|
| M        | B<br>M6 | M     | 4.25 |  | 5.75 | N  |
|          | E<br>M6 |       | 4.25 |  | 5.75 | N  |

| JMD160TD16D2L | JMD160TD16D2L | D2L | 210 /PCS | 8 PCS | 72 PCS |
|---------------|---------------|-----|----------|-------|--------|

**FIG.1: Forward characteristics(per diode)**

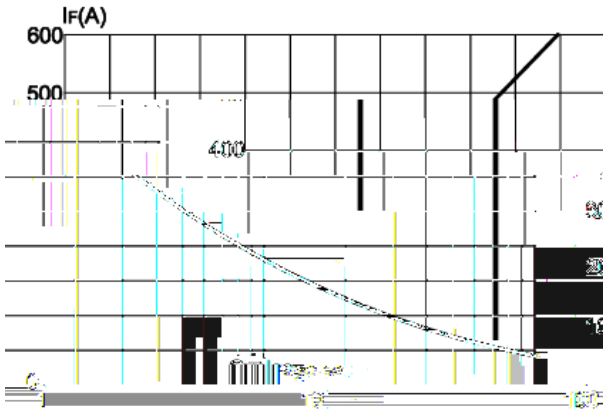


**FIG.2: Peak on-state surge current**

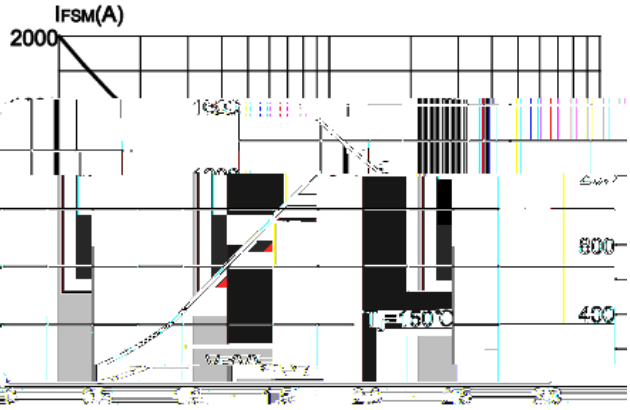


**FIG.4: Maximum transient thermal impedance**  
 $R_{th(j-c)}$  (°C/W) Junction-to-case(per diode)

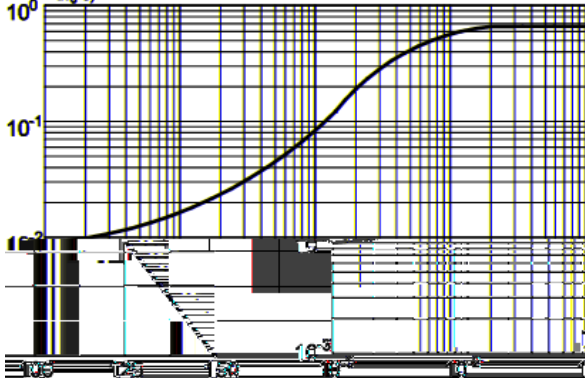
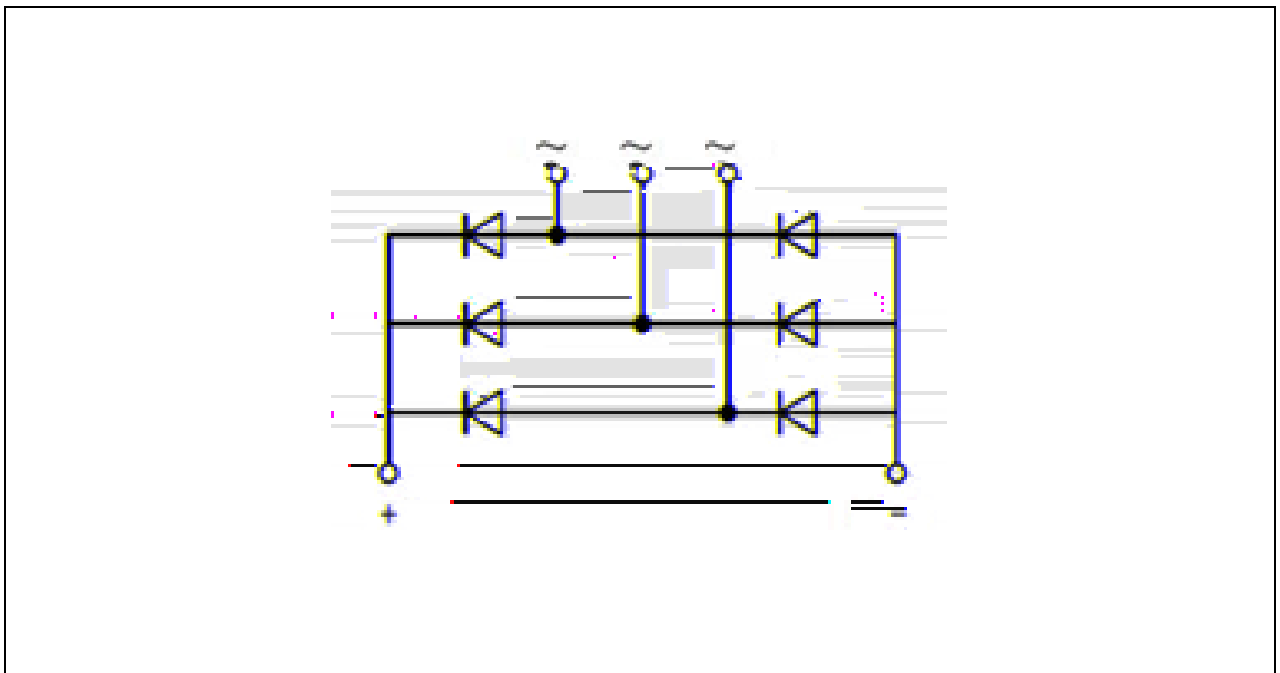
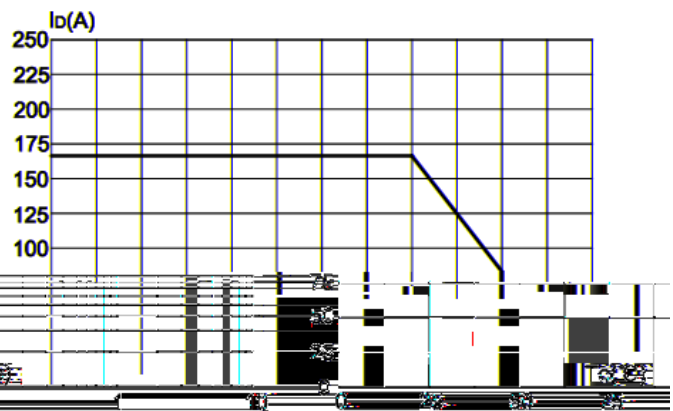
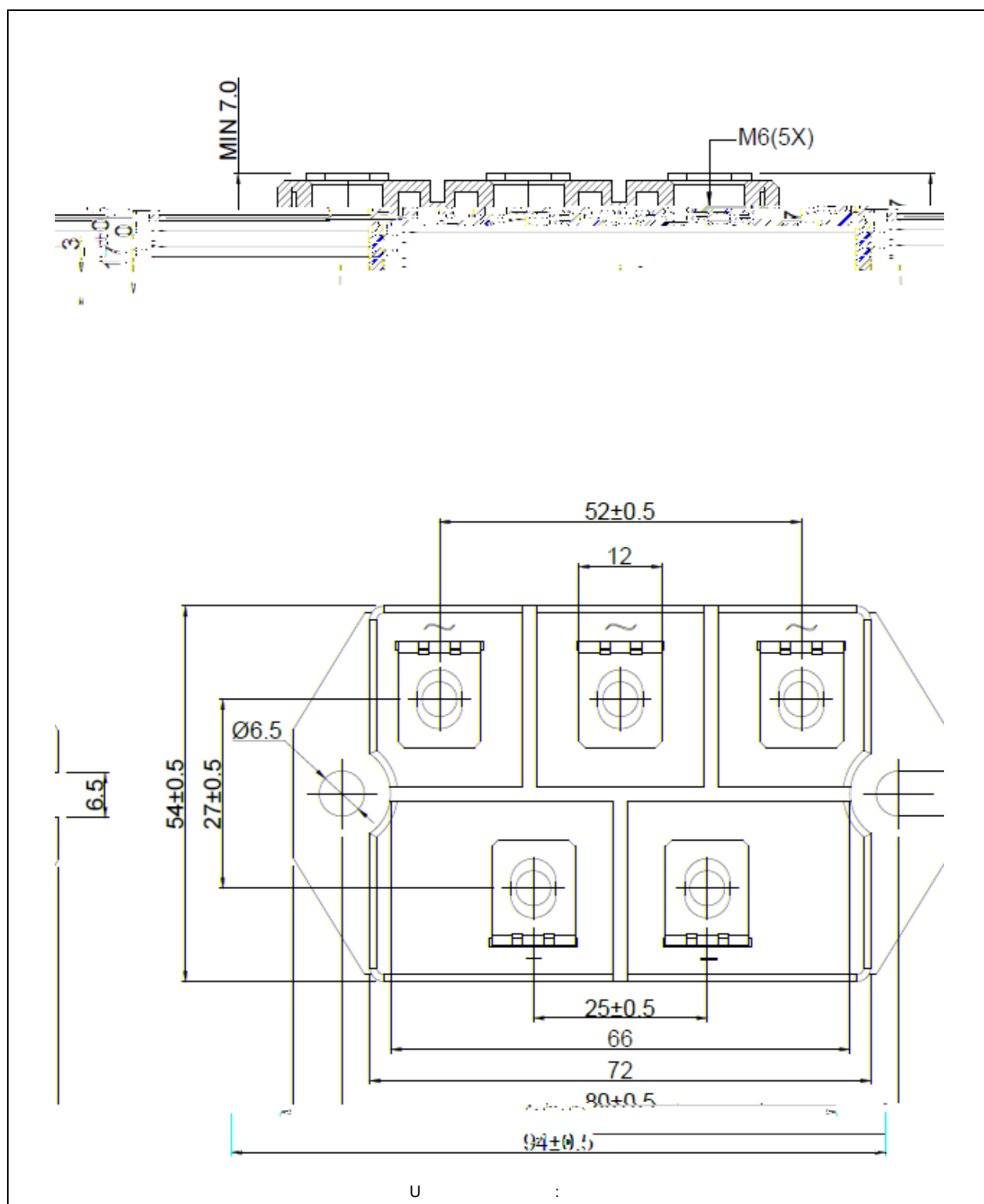


**FIG.3: Forward current vs. case temperature**







I J J J S C ., L . H ,  
. N . T , J J J  
. J . P J J  
. T , 20 J 2026. T  
S C ., L . A J J J S C ., L 2026 J J J