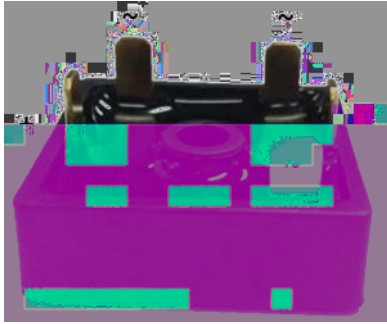
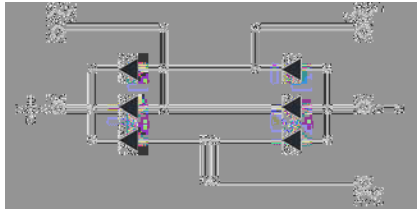




- UL recognition, file #E230084
- Low thermal resistance
- Glass passivated chip junction
- High surge current capability
- Solder dip 275 °C max. 7 s, per JESD 22-B106

General purpose use in AC/DC bridge full wave rectification for Server Frequency converter Industrial power supply.



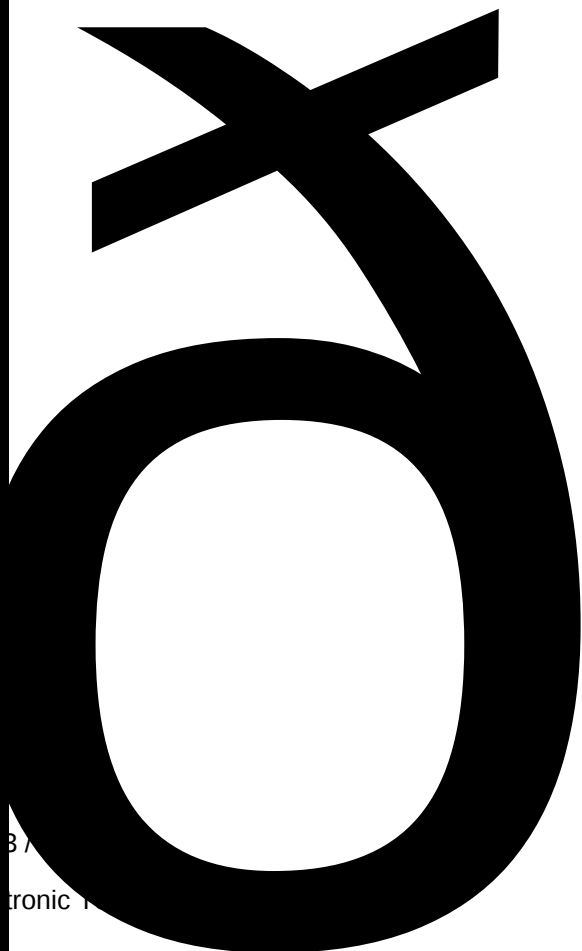
- : MT-M  
Molding compound meets UL 94 V-0 flammability rating
- : Gold plated leads, solderable per J-STD-002 and JESD22-B102
- As marked on body

■ (Ta=25 Unless otherwise specified)

| Device marking code                 |                          |      | MT2506M | MT2508M                                   | MT2510M | MT2512M | MT2514M | MT2516M |
|-------------------------------------|--------------------------|------|---------|-------------------------------------------|---------|---------|---------|---------|
| Maxi   /<br>@60Hz sine wave, R-load | With heatsink<br>Tc =115 | IO / | A /     | yAverage rectified output current<br>25.0 |         |         |         |         |

|                                                                                 |      |       |            |  |
|---------------------------------------------------------------------------------|------|-------|------------|--|
|                                                                                 |      |       |            |  |
| Forward Surge Current (Non-repetitive)<br>@8.3ms, Half-sine wave,1 cycle, Tj=25 | IFSM | A     | 400        |  |
| Forward Surge Current (Non-repetitive)<br>@1ms, square wave, 1 cycle, Tj=25     |      |       | 800        |  |
| Current squared time<br>@1ms≤t≤8.3ms Tj=25 , Rating of per diode                | I²t  | A²s   | 664        |  |
| Storage temperature                                                             | Tstg |       | -55 ~ +150 |  |
| Junction temperature                                                            | Tj   |       | -55 ~ +150 |  |
| Dielectric strength<br>@ Terminals to case, AC 1 minute                         | Vdis | KV    | 2.5        |  |
| Mounting torque                                                                 | Tor  | kg cm | 10         |  |





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