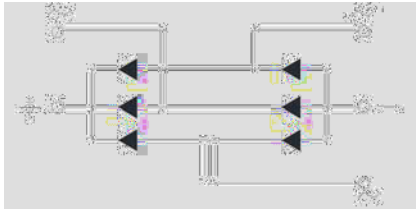




Three Phase Bridge Rectifiers



Features

- 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

Typical Applications

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

Mechanical Data

Package: MT

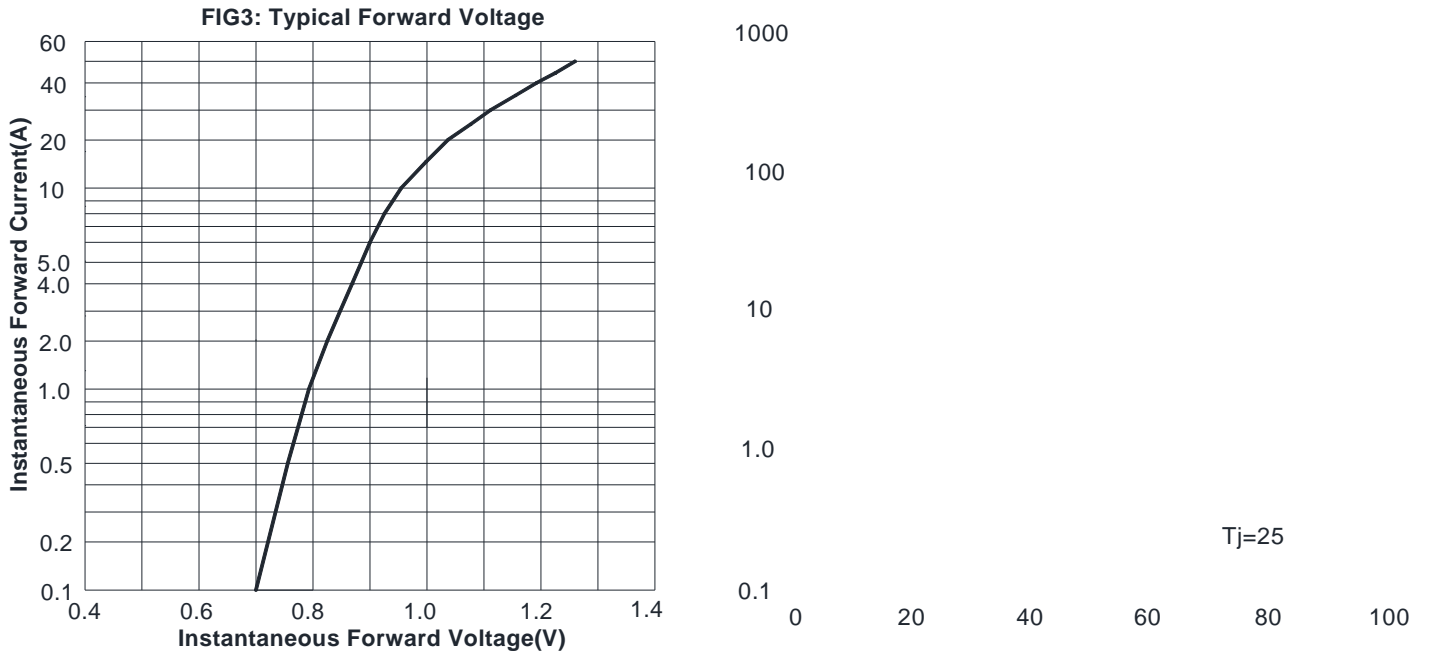
Molding compound meets UL 94 V-0 flammability rating

Terminals: Au plated leads, solderable per J-STD-002 and JESD22-B102

Polarity: As marked on body

Maximum Ratings (T_a=25 Unless otherwise specified)

| PARAMETER | SYMBOL | UNIT | MT5018A | |
|---|-------------------------------------|------------------|------------|----|
| Device marking code | | | MT5018A | |
| Maximum Repetitive Peak Reverse Voltage | VRRM | V | 1800 | |
| Maximum RMS Voltage | VRMS | V | 1260 | |
| Maximum DC blocking Voltage | VDC | V | 1800 | |
| Average rectified output current @60Hz sine wave, R-load | With heatsink T _c =90 | IO | A | 50 |
| Current squared time @1ms t 8.3ms T _j =25 , Rating of per diode | I ² t | A ² s | 1038 | |
| Storage temperature | T _{stg} | | -55 ~ +150 | |
| Junction temperature | T _j | | -55 ~ +150 | |
| Dielectric strength @ Terminals to case, AC 1 minute | V _{dis} | KV | 2.5 | |
| Mounting torque @Recommend torque 5kg cm | Tor | kg cm | 8 | |



Outline Dimensions

| MT | | |
|-----|------|------|
| Dim | Min | Max |
| A | 23.3 | 24.3 |
| B | 23.3 | 24.3 |
| C | 28.2 | 28.8 |
| D | 15.5 | 16.5 |
| E | / | 25 |
| F | 9.0 | 10.0 |
| G | 6.2 | 6.4 |
| H | 0.75 | 0.85 |
| I | 4.5 | 5.5 |



Disclaimer

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The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require high level of reliability and the malfunction of which would directly endanger human life (such as medical instruments, transportat