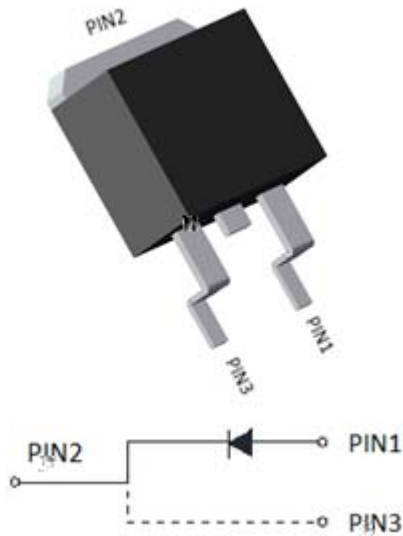


## Ultra-Fast Recovery Diodes 10A FRED

### Features



### Typical Applications

Typical applications are in switching power supplies, converters, freewheeling diodes, and reverse battery protection.

### Mechanical Data

- **Package:** TO-263  
Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant
- **Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102
- **Polarity:** As marked

### ■Maximum Ratings (T<sub>j</sub>=25 Unless otherwise specified

| PARAMETER                                                                                 | SYMBOL           | UNIT             | MURB1060   |
|-------------------------------------------------------------------------------------------|------------------|------------------|------------|
| Device marking code                                                                       |                  |                  | MURB1060   |
| Repetitive Peak Reverse Voltage                                                           | V <sub>RRM</sub> | V                | 600        |
| Average Rectified Output Current<br>@60Hz sine wave, R-load, T <sub>c</sub> (FIG.1)       | I <sub>O</sub>   | A                | 10         |
| Surge(Non-repetitive)Forward Current<br>@60Hz half sine-wave, 1 cycle, T <sub>j</sub> =25 | I <sub>FSM</sub> | A                | 120        |
| Current Squared Time @1ms≤t≤8.3ms T <sub>j</sub> =25                                      | I <sup>2</sup> t | A <sup>2</sup> s | 60         |
| Storage Temperature                                                                       | T <sub>stg</sub> |                  | -55 ~ +175 |
| Junction Temperature                                                                      | T <sub>j</sub>   |                  | -55 ~ +175 |
| Typical Junction capacitance @4V,1MHz                                                     | C <sub>j</sub>   | pF               | 40         |



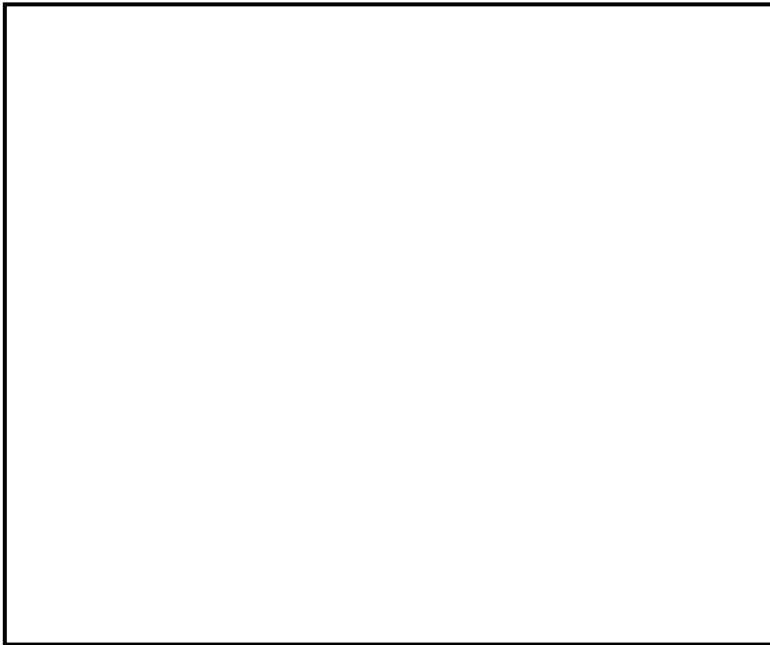


## ■Characteristics (Typical)



■Outline Dimensions

■



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