

## Ultra-Fast Recovery Diodes 5A\*2 FRED



### Features

- Adopt FRED chip
- Low forward Voltage drop
- Fast reverse recovery time
- High frequency operation
- High purity, high temperature epoxy encapsulation for enhanced mechanical strength and moisture resistance
- Guard ring for enhanced ruggedness and long term reliability

### Typical Applications

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

### Mechanical Data

- **Package:** TO-220AB
- Molding compound meets UL 94 V-0 flammability

|                                                |           |                  |            |
|------------------------------------------------|-----------|------------------|------------|
|                                                |           |                  |            |
| -                                              | $I_{FSM}$ | A                | 50         |
| Current Squared Time @1ms≤t≤8.3ms<br>Tj=25 - Ē | $I^2t$    | A <sup>2</sup> s | 10         |
| Storage Temperature                            | Tstg      | -                | -55 ~ +175 |
| Junction Temperature                           | Tj        | -                | -55 ~ +175 |
| Typical Junction capacitance @4V,1MHz          | Cj        | pF               | 20         |



# MUR1060CT

## ■Electrical Characteristics

| PARAMETER | SYMBOL | UNIT | TEST CONDITIONS | Min | Typ | Max |
|-----------|--------|------|-----------------|-----|-----|-----|
|-----------|--------|------|-----------------|-----|-----|-----|



trr

0



## ■Outline Dimensions



