

### FEATURES

- Available as "HR" (high reliability) screened per MIL-PRF-19500, JANTX level. Add "HR" suffix to base part number.
- Available as non-RoHS (Sn/Pb plating), standard, and as RoHS by adding "-PBF" suffix.

### MAXIMUM RATINGS

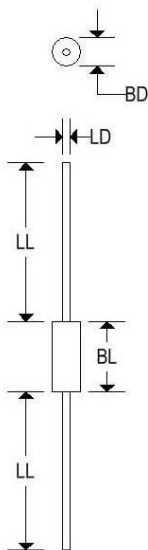
| Ratings   | Symbol    | Value       | Unit |
|---|-----------|-------------|------|
| Operating Temperature Range                         | $T_J$     | -65 to +175 | °C   |
| Storage Temperature Range                           | $T_{stg}$ | -65 to +175 | °C   |
| Surge Current, sine, 8.3ms                          | $I_{FSM}$ | 2           | A    |
| Total Power Dissipation, $T_A = 25^\circ\text{C}$   | $P_D$     | 500         | mW   |
| Maximum Operating Current, $T_A = 25^\circ\text{C}$ | $I_O$     | 200         | mA   |
| DC Reverse Voltage                                  | $V_{RWM}$ | 180         | V    |

### ELECTRICAL CHARACTERISTICS ( $T_A = 25^\circ\text{C}$ unless otherwise specified)

| Forward Voltage |       |     |     | Reverse Current |     |     |       |
|-----------------|-------|-----|-----|-----------------|-----|-----|-------|
| $V_F$           |       |     |     | $I_R$           |     |     |       |
| Ambient         | $I_F$ | Min | Max | Ambient         | V   | Min | Max   |
| °C              | mA    | V   | V   | °C              | dc  | µA  | µA    |
| 25              | 100   | 0.8 | 1.0 | 25              | 180 | -   | 0.025 |
| -55             | 100   | -   | 1.2 | 25              | 200 | -   | 1.0   |
| -               | -     | -   | -   | 150             | 180 | -   | 5.0   |

### MECHANICAL CHARACTERISTICS

|           |                             |
|-----------|-----------------------------|
| Case:     | DO-35                       |
| Marking:  | Body Painted, Alpha-Numeric |
| Polarity: | Cathode Band                |



|    | DO-35  |       |             |        |
|----|--------|-------|-------------|--------|
|    | Inches |       | Millimeters |        |
|    | Min    | Max   | Min         | Max    |
| BD | 0.055  | 0.090 | 1.400       | 2.290  |
| BL | 0.120  | 0.200 | 3.050       | 5.080  |
| LD | 0.018  | 0.022 | 0.460       | 0.560  |
| LL | 1.000  | 1.500 | 25.400      | 38.100 |