

200 mW LL-34 Hermetically Sealed Glass Fast Switching Schottky Barrier Diode

Specification Features:

- Low Forward Voltage Drop
- LL-34 Package (JEDEC)
- Through-Hole Device Type Mounting
- Hermetically Sealed Glass
- Compression Bonded Construction
- All External Surfaces Are Corrosion Resistant And Leads Are Readily Solderable
- RoHS Compliant
- Solder Hot Dip Tin (Sn) Lead Finish



SURFACE MOUNT LL34 Cathode Band Color: Black

Absolute Maximum Ratings $T_A = 25^\circ\text{C}$ unless otherwise noted

| Symbol | Parameter | Value | Units |
|-------------|-----------------------------------|-------------|------------------|
| P_D | Power Dissipation | 200 | mW |
| T_{STG} | Storage Temperature Range | -65 to +125 | $^\circ\text{C}$ |
| T_J | Operating Junction Temperature | +125 | $^\circ\text{C}$ |
| V_{RRM} | Repetitive Peak Reverse Voltage | 30 | V |
| V_R | Maximum DC Blocking Voltage | 30 | V |
| $I_{F(AV)}$ | Average Forward Rectified Current | 200 | mA |
| I_{FSM} | Peak Forward Surge Current | 4 | A |



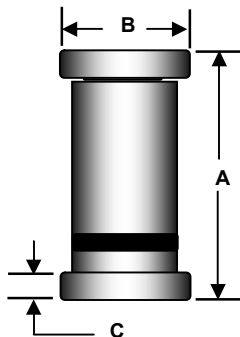
ELECTRICAL SYMBOL

These ratings are limiting values above which the serviceability of the diode may be impaired.

Electrical Characteristics $T_A = 25^\circ\text{C}$ unless otherwise noted

| Symbol | Parameter | Test Condition | Limits | | | Unit |
|----------|-------------------------|--|--------|-----|--------------------------------------|---------------|
| | | | Min | Typ | Max | |
| B_V | Breakdown Voltage | $I_R=10\mu\text{A}$ | 30 | | | Volts |
| I_R | Reverse Leakage Current | $V_R=25\text{V}$ | | | 2 | μA |
| V_F | Forward Voltage | $I_F=0.1\text{mA}$ $I_F=1\text{mA}$ $I_F=10\text{mA}$ $I_F=30\text{mA}$ $I_F=100\text{mA}$ | | | 0.24 0.32 0.40 0.50 0.80 | Volts |
| T_{RR} | Reverse Recovery Time | $I_F=I_R=10\text{mA}$ $R_L=100\Omega$ $I_{RR}=1\text{mA}$ | | 5 | | nS |
| C | Capacitance | $V_R=1\text{V}$, $f=1\text{MHz}$ | | 7 | 10 | pF |

Package Outline



| DIM | LL-34 | | | |
|----------|-------------|------|--------|-------|
| | Millimeters | | Inches | |
| | Min | Max | Min | Max |
| A | 3.30 | 3.60 | 0.130 | 0.142 |
| B | 1.40 | 1.50 | 0.055 | 0.059 |
| C | 0.35 | 0.50 | 0.014 | 0.020 |

Notes:

1. All dimensions are within DO213AC JEDEC standard.
2. LL-34 polarity denoted by cathode band.