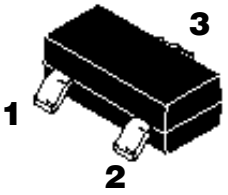
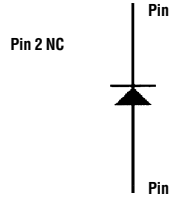
# 200 mW EPITAXIAL PLANAR DIODES

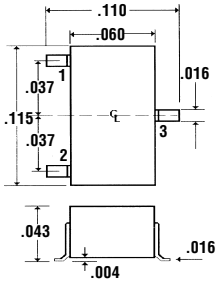


## Description




## Mechanical Dimensions




## Features

- **PLANAR PROCESS**
- **200 mW POWER DISSIPATION**
- **INDUSTRY STANDARD SOT-23 PACKAGE**
- **MEETS UL SPECIFICATION 94V-0**

| | *FMBB4148* | Units |
|---|---|---|
| **Maximum Ratings** | **FMBB4148** | |
| Peak Reverse Voltage...$V_{RM}$ | 85 | Volts |
| RMS Reverse Voltage...$V_{R(rms)}$ | 75 | Volts |
| Average Forward Rectified Current...$I_0$ | 215 | mAmps |
| Non-Repetitive Peak Forward Surge Current...$I_{FSM}$ | 4.0 | Amps |
| Power Dissipation...$P_D$ | 200 | mW |
| Operating Temperature Range...$T_J$ | -25 to 85 | °C |
| Storage Temperature Range...$T_{STRG}$ | -65 to 150 | °C |
| **Electrical Characteristics** | | |
| Maximum Forward Voltage...$V_F$ @ $I_F$ = 150 mA | 1.25 | Volts |
| Maximum DC Reverse Current...$I_R$ @ $V_R$ = 75V | 1.0 | µAmps |
| Maximum Frequecy...f | 100 | MHz |
| Maximum Diode Capacitance...$C_D$ | 2.0 | pF |
| Maximum Reverse Recovery Time...$t_{RR}$ | 4.0 | ns |

