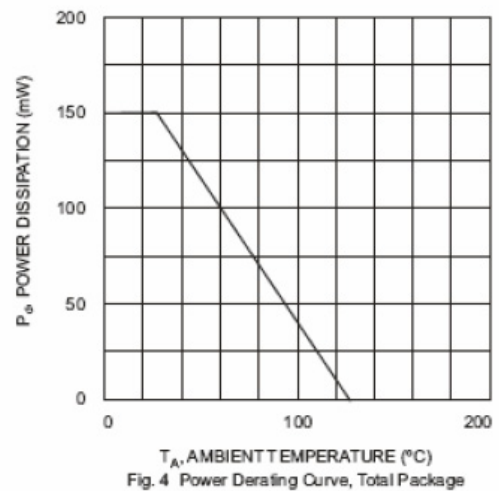
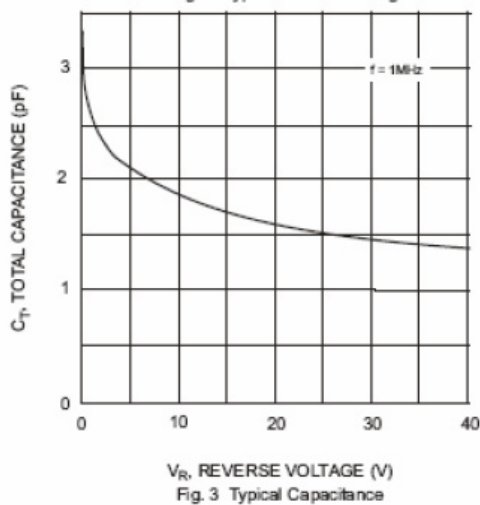
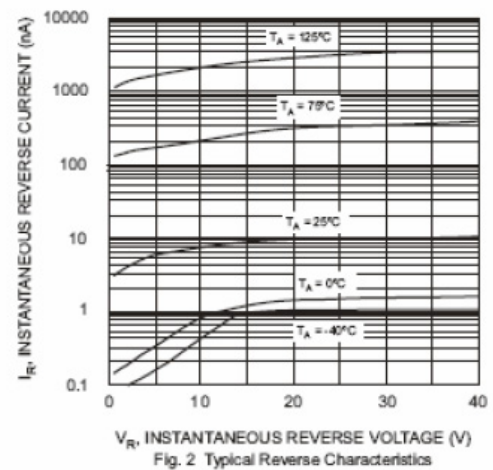
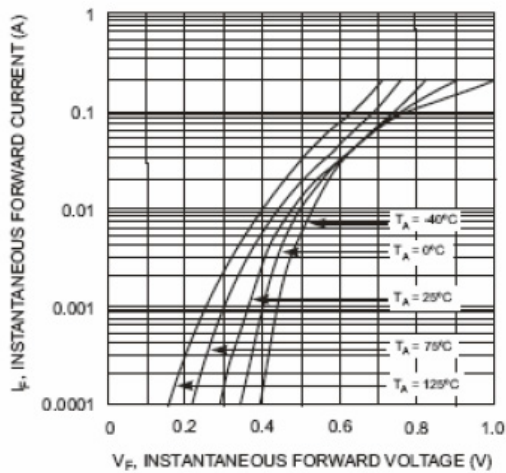


**Electrical Characteristics** ( $T_A = 25^\circ\text{C}$  unless otherwise noted)

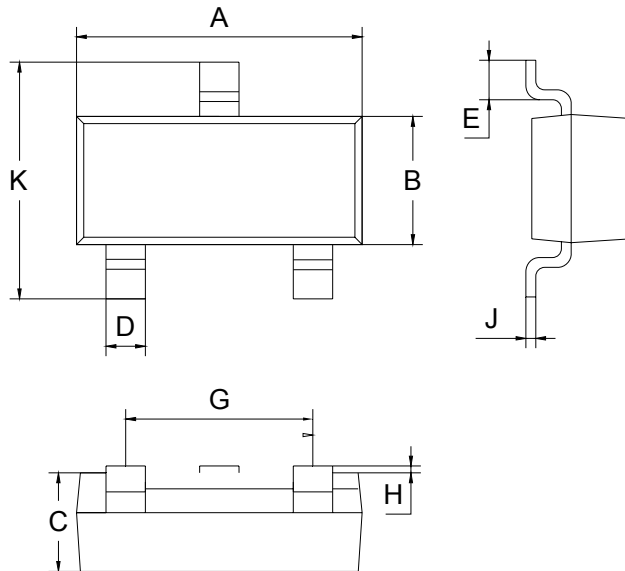
| Characteristic            | Symbol      | Min | Max         | Unit | Test Condition                                                                          |
|---------------------------|-------------|-----|-------------|------|-----------------------------------------------------------------------------------------|
| Reverse Breakdown Voltage | $V_{(BR)R}$ | 70  |             | V    | $I_{(BR)} = 10\mu\text{A}$                                                              |
| Forward Voltage           | $V_F$       | -   | 410<br>1000 | mV   | $t_P < 300\mu\text{s}, I_F = 1.0\text{mA}$<br>$t_P < 300\mu\text{s}, I_F = 15\text{mA}$ |
| Reverse Leakage Current   | $I_R$       | -   | 100         | nA   | $t_P < 300\mu\text{s}, V_R = 50\text{V}$                                                |
| Junction Capacitance      | $C_j$       | -   | 2.0         | pF   | $V_R = 0\text{V}, f = 1.0\text{MHz}$                                                    |
| Reverse Recovery Time     | $t_{rr}$    | -   | 5.0         | ns   | $I_F = I_R = 10\text{mA}$ to<br>$I_R = 1.0\text{mA}, R_L = 100\Omega$                   |

**Typical Characteristic Curves** ( $T_A = 25^\circ\text{C}$  unless otherwise noted)



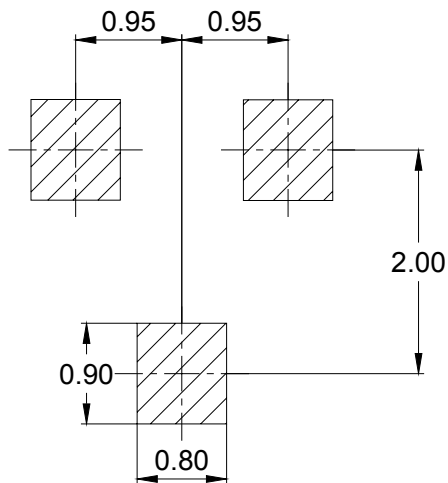
**Package Outline Dimensions**

**SOT-23**



| SOT-23               |             |      |
|----------------------|-------------|------|
| Dim                  | Min         | Max  |
| A                    | 2.70        | 3.10 |
| B                    | 1.10        | 1.50 |
| C                    | 1.0 Typical |      |
| D                    | 0.4 Typical |      |
| E                    | 0.35        | 0.48 |
| G                    | 1.80        | 2.00 |
| H                    | 0.02        | 0.1  |
| J                    | 0.1 Typical |      |
| K                    | 2.20        | 2.60 |
| All Dimensions in mm |             |      |

**Suggested Pad Layout**



Unit : mm