

200mW SOD-523 SURFACE MOUNT Very Small Outline Flat Lead Plastic Package Schottky Barrier Diode

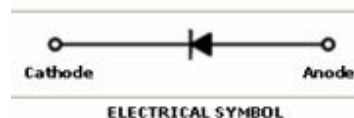
Absolute Maximum Ratings T_A = 25°C unless otherwise noted

| Symbol | Parameter | Value | Units |
|--------------------|--------------------------------|-------------|-------|
| P _D | Power Dissipation | 200 | mW |
| T _{STG} | Storage Temperature Range | -55 to +125 | °C |
| T _J | Operating Junction Temperature | +125 | °C |
| V _R | Reverse Voltage | 30 | V |
| I _{F(AV)} | Average Forward Current | 200 | mA |

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



SOD-523 Flat Lead



Specification Features:

- Low Forward Voltage Drop
- Flat Lead SOD-523 Small Outline Plastic Package
- Extremely Small SOD-523 Package
- Surface Device Type Mounting
- RoHS Compliant
- Green EMC
- Matte Tin(Sn) Lead Finish
- Band Indicates Cathode

Electrical Characteristics T_A = 25°C unless otherwise noted

| Symbol | Parameter | Test Condition | Limits | | Unit |
|----------------|-------------------------|-----------------------|--------|-----|-------|
| | | | Min | Max | |
| B _V | Breakdown Voltage | I _R =500μA | 30 | | Volts |
| I _R | Reverse Leakage Current | V _R =10V | | 30 | μA |
| V _F | Forward Voltage | I _F =200mA | | 0.5 | Volts |

RATING AND CHARACTERISTIC CURVES

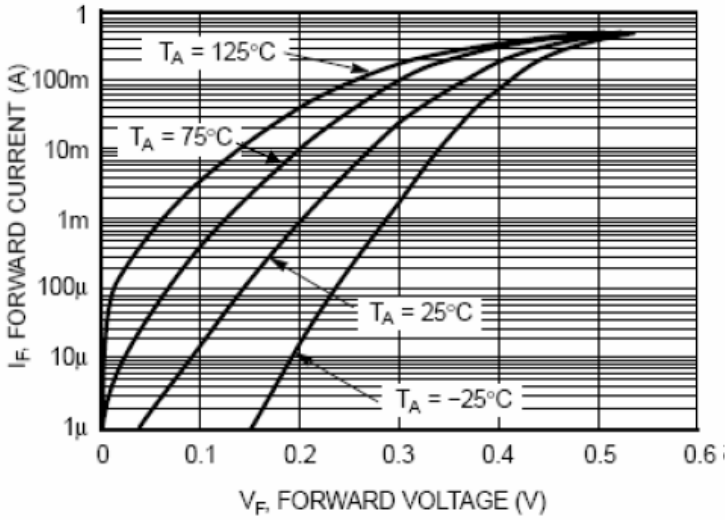


Figure 1. Forward Characteristics

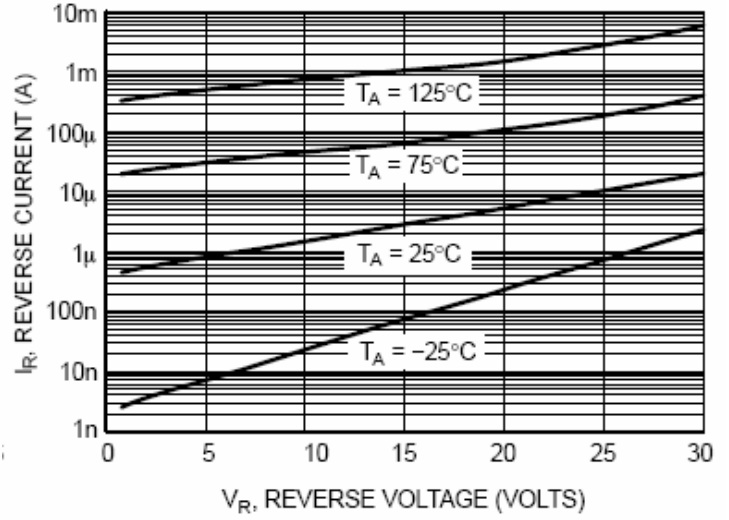
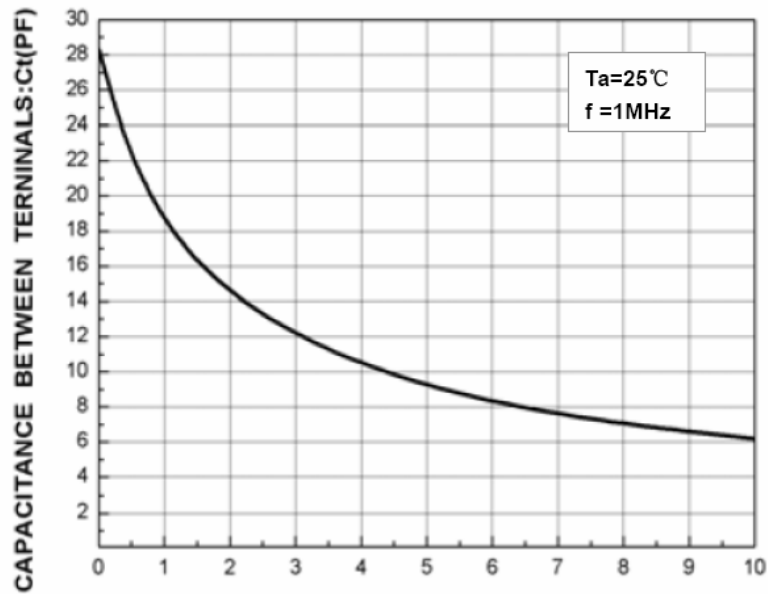


Figure 2. Reverse Characteristics



REVERSE VOLTAGE : V_R (V)

Figure3.Total Capacitance

Flat Lead SOD-523 Package Outline

