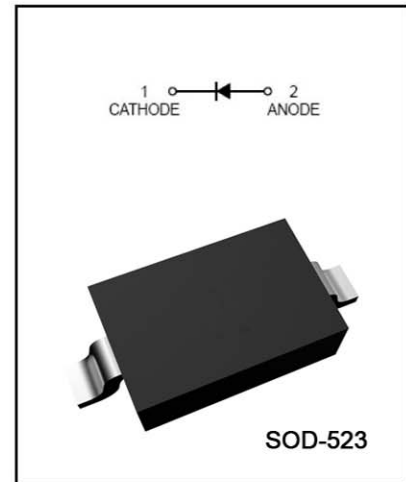


- FEATURES

- Low Forward Voltage Drop.
- Guard Ring Construction For Transient Protection.
- Negligible Reverse Recovery Time.
- Low Reverse Capacitance.

- APPLICATIONS

- Schottky barrier switching.



- MAXIMUM RATING @ Ta=25°C unless otherwise specified

| Parameter | Symbol | | Unit |
|---|--------------------|----------|------|
| Peak Repetitive Peak reverse voltage | V_{RR} | | |
| Working Peak DC Reverse Voltage | V_{RWM} V_R | 40 | V |
| RMS Reverse Voltage | $V_{R(RMS)}$ | 28 | V |
| Forward Continuous Current | I_F | 350 | mA |
| Repetitive Peak Forward Current @ $t_s \leq 1.0s$ | I_{FRM} | 1.5 | A |
| Power Dissipation | P_d | 400 | mW |
| Thermal Resistance Junction to Ambient | $R_{\theta JA}$ | 300 | °C/W |
| Storage temperature | T_{stg} | -65~+125 | °C |

● ELECTRICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified

| Parameter | Symbol | Min. | Typ. | Max. | Unit | Conditions |
|-------------------------------|-------------|------|------|--------------|---------|--|
| Reverse Breakdown Voltage | $V_{(BR)R}$ | 40 | | | V | $I_R=10\mu A$ |
| Forward voltage | V_F | | | 0.37 0.60 | V | $I_F=20mA$ $I_F=200mA$ |
| Reverse current | I_{RM} | | | 5.0 | μA | $V_R=30V$ |
| Capacitance between terminals | C_T | | 50 | | pF | $V_R=0, f=1MHz$ |
| Reverse Recovery Time | t_{rr} | | 10 | | ns | $I_R=I_F=200mA$ $I_{rr}=0.1*I_R, R_L=100\Omega$ |

● TYPICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified

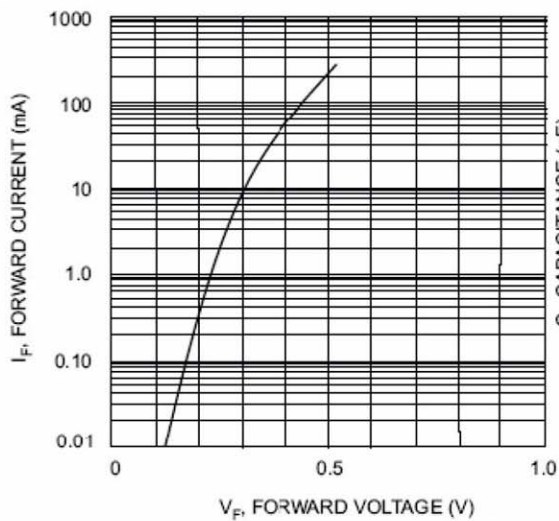


Fig. 1 Typical Forward Characteristics

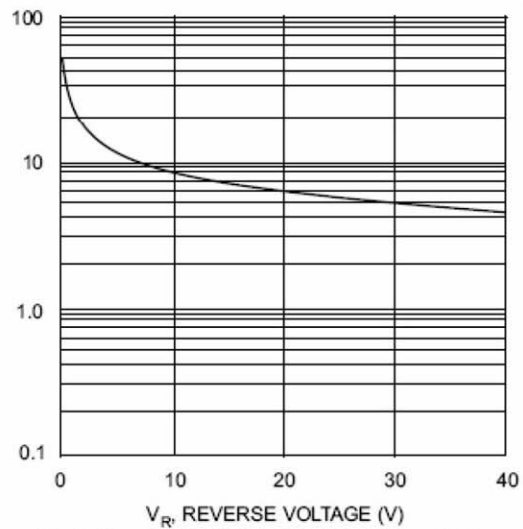


Fig. 2 Typ. Junction Capacitance vs Reverse Voltage

PACKAGE OUTLINE

Plastic surface mounted package

