

SOD-123 Plastic-Encapsulate Diodes

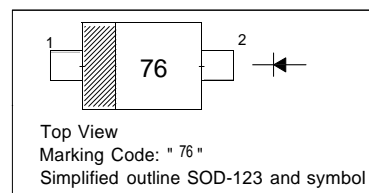
RB160M-60 Schottky Barrier Diode

FEATURES

- Small Power Mold Type
- Low I_R
- High Reliability

PINNING

| PIN | DESCRIPTION |
|-----|-------------|
| 1 | Cathode |
| 2 | Anode |



Maximum Ratings @ $T_a=25^\circ\text{C}$

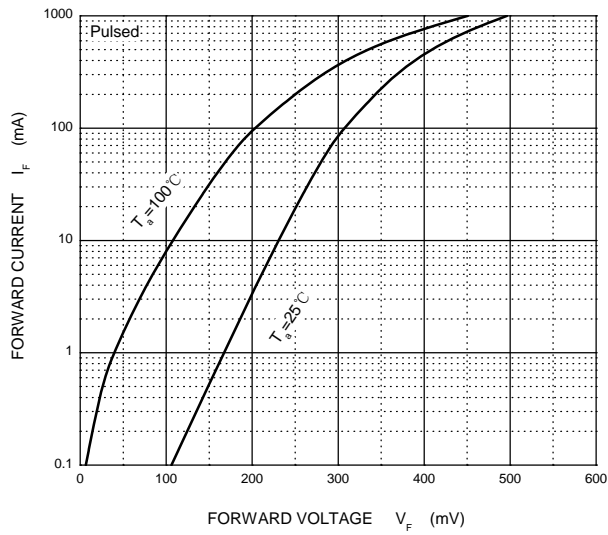
| Parameter | Symbol | Limit | Unit |
|--|---------------|--------------|---------------------------|
| DC reverse voltage | V_R | 60 | V |
| Mean rectifying current | I_O | 1 | A |
| Peak forward surge current 4 Hl, " a g | I_{FSM} | $F\acute{I}$ | A |
| Power dissipation | D_8 | 350 | mW |
| Thermal Resistance Junction to Ambient | θ_{JA} | 286 | $^\circ\text{C}/\text{W}$ |
| Junction temperature | T_j | 125 | $^\circ\text{C}$ |
| Storage temperature | T_{stg} | -55~+150 | $^\circ\text{C}$ |

Electrical characteristics @ $T_a=25^\circ\text{C}$

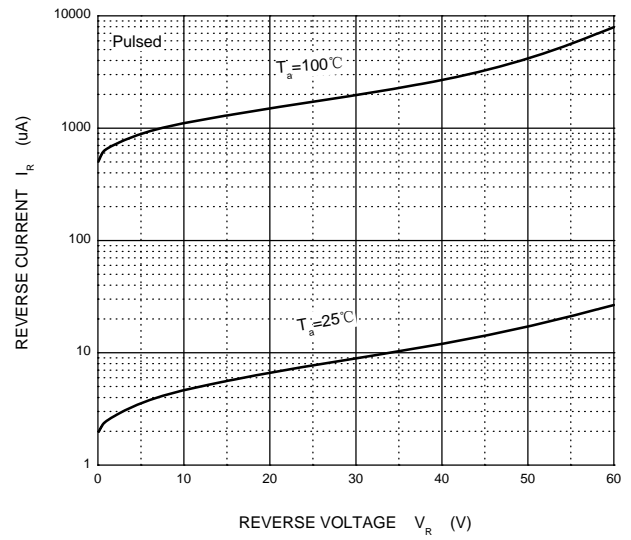
| Parameter | Symbol | Min. | Typ. | Max. | Unit | Conditions |
|-----------------|--------|------|------|------|---------------|------------------|
| Forward voltage | V_F | | | 0.58 | V | $I_F=1\text{A}$ |
| Reverse current | I_R | | | 30 | μA | $V_R=60\text{V}$ |

Typical Characteristics

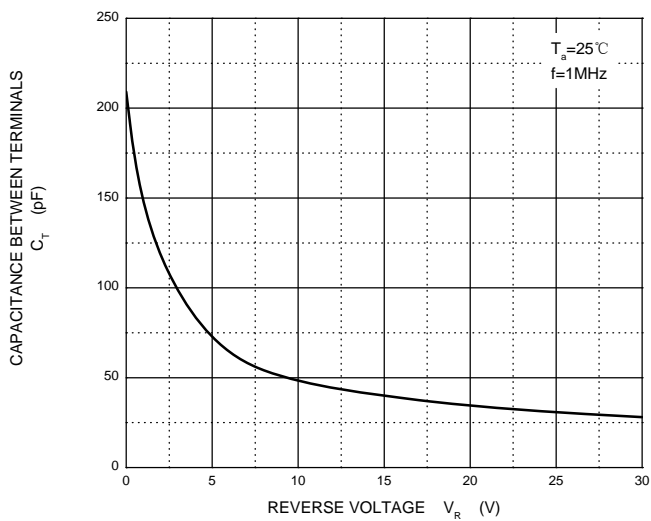
Forward Characteristics



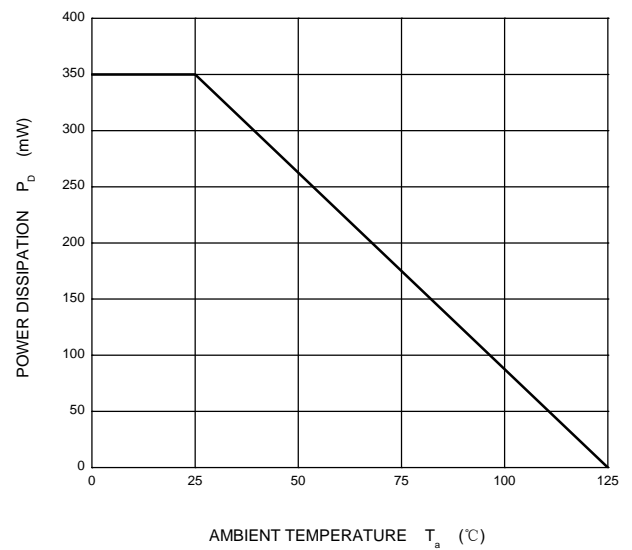
Reverse Characteristics



Capacitance Characteristics



Power Derating Curve



PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

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