

RB751V-40

PRV : 40 Volts

I_o : 30 mA

FEATURES :

- * Small surface mounting type
- * Low reverse current
- * Low forward voltage
- * High reliability
- * Pb / RoHS Free

APPLICATIONS :

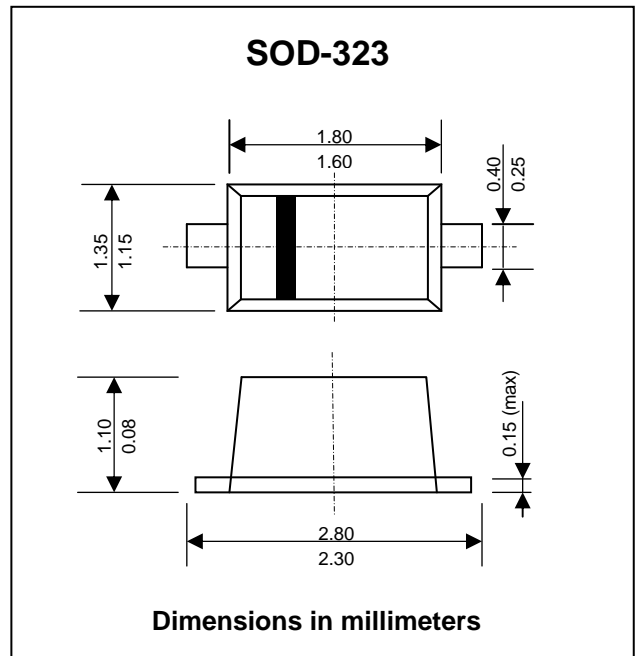
- * For high speed switching
- * For detection

MECHANICAL DATA :

Case: SOD-323 Plastic Package

Weight: approx. 0.004g

SCHOTTKY BARRIER DIODE



Maximum Ratings and Thermal Characteristics (T_a = 25 °C)

| Parameter | Symbol | VALUE | Unit |
|--|--------------------|--------------|------|
| Maximum Peak Reverse Voltage | V _{RM} | 40 | V |
| Maximum DC Reverse Voltage | V _R | 30 | V |
| Maximum Average Rectified Forward Current | I _{F(AV)} | 30 | mA |
| Maximum Peak Forward Surge Current (60 Hz for 1 Cycle) | I _{FSM} | 200 | mA |
| Junction Temperature | T _J | 125 | °C |
| Storage temperature range | T _{STG} | -40 to + 125 | °C |

Electrical Characteristics (T_a = 25 °C)

| Parameter | Symbol | Test Condition | Min | Typ | Max | Unit |
|-------------------------------|----------------|--------------------------------|-----|-----|------|------|
| Reverse Current | I _R | V _R = 30 V | - | - | 0.5 | µA |
| Forward Voltage | V _F | I _F = 1 mA | - | - | 0.37 | V |
| Capacitance between terminals | C _T | V _R = 1 V, f = 1MHz | - | 2.0 | - | pF |

RATING AND CHARACTERISTIC CURVES (RB751V-40)

FIG.1 - FORWARD CHARACTERISTICS

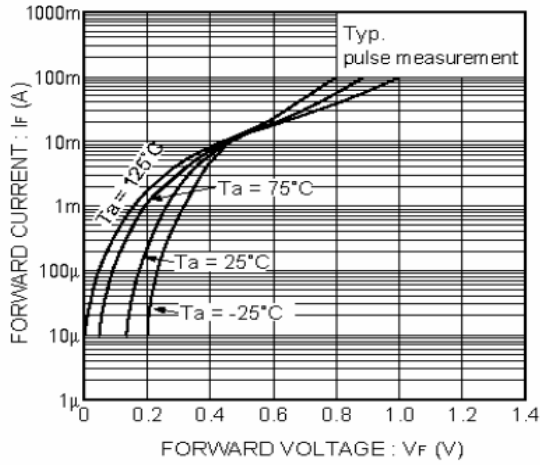


FIG.2 - REVERSE CHARACTERISTICS

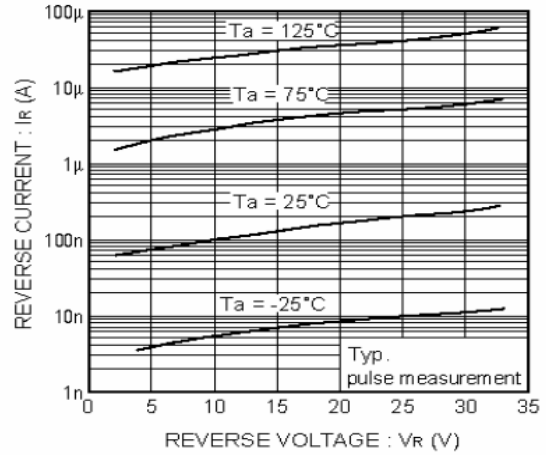


FIG.3 - CAPACITANCE BETWEEN TERMINALS CHARACTERISTICS

