



Micro Commercial Components

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RB751G-40

Features

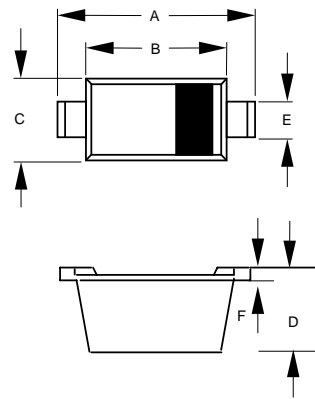
- Low Voltage, Low Inductance
- High Current Rectifier Schottky Diode
- For Power Supply
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0 and MSL Rating 1
- Lead Free Finish/RoHS Compliant("P" Suffix designates RoHS Compliant. See ordering information)
- Marking: 5

40 Volts Schottky Barrier Diode

Maximum Ratings

| Symbol | Parameter | Rating | Unit |
|-----------|----------------------------|-------------|------|
| V_{RM} | Peak Reverse Voltage | 40 | V |
| V_R | DC Reverse Voltage | 30 | V |
| I_O | Mean Rectifying Current | 30 | mA |
| I_{FSM} | Peak Forward Surge Current | 200 | mA |
| T_J | Junction Temperature | 125 | °C |
| T_{STG} | Storage Temperature | -40 to +125 | °C |

SOD-723



Electrical Characteristics @ 25°C Unless Otherwise Specified

| Symbol | Parameter | Min | Typ | Max | Units |
|--------|-----------|-----|-----|-----|-------|
|--------|-----------|-----|-----|-----|-------|

OFF CHARACTERISTICS

| | | | | | |
|-------|---|-----|-----|------|--------------|
| V_F | Forward Voltage ($I_F=1mA_{dc}$) | --- | --- | 0.37 | Vdc |
| I_R | Reverse Current ($V_R=30V_{dc}$) | --- | --- | 0.5 | μA_{dc} |
| C_T | Capacitance between Terminals ($V_R=1V, f=1MHz$) | --- | 2 | --- | pF |

| DIM | DIMENSIONS | | | | NOTE |
|-----|------------|------|-------|------|------|
| | INCHES | | MM | | |
| A | .051 | .059 | 1.30 | 1.50 | |
| B | .035 | .043 | 0.90 | 1.10 | |
| C | .022 | .026 | 0.55 | 0.65 | |
| D | .021 | .026 | 0.525 | 0.65 | |
| E | .010 | .014 | 0.25 | 0.35 | |
| F | .003 | .006 | 0.08 | 0.15 | |

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● Electrical characteristic curves ($T_a = 25^\circ\text{C}$)

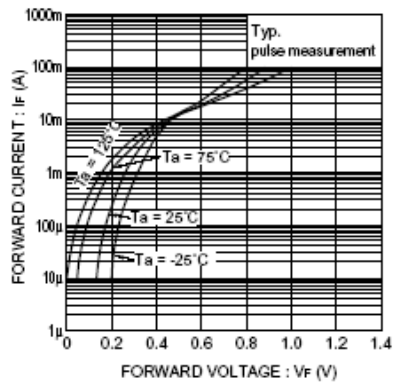


Fig. 1 Forward characteristics

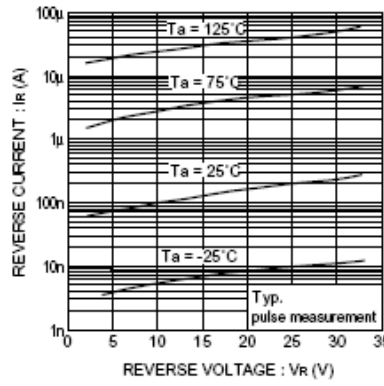


Fig. 2 Reverse characteristics

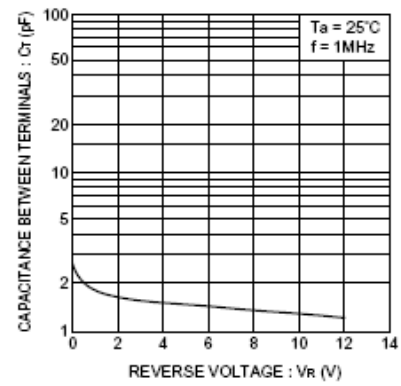


Fig. 3 Capacitance between terminals characteristics



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Ordering Information

| | |
|------------------|----------------------|
| Device | Packing |
| (Part Number)-TP | Tape&Reel;3Kpcs/Reel |

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