



Micro Commercial Components

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RB495D

Features

- Small surface mounting type
- Low reverse current and low forward voltage
- High reliability
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0

**0.4 Amp Schottky
 Barrier Rectifier
 25 Volts**

Maximum Ratings

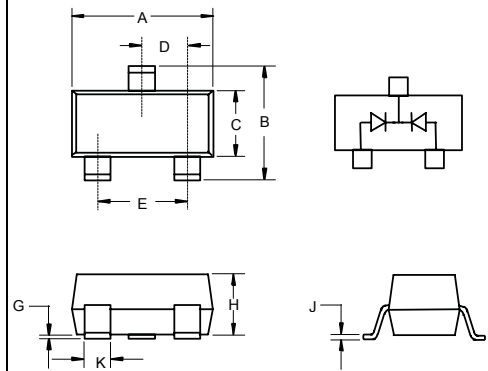
| Parameter | Symbol | Value | Unit |
|----------------------------|-----------|------------|------|
| Peak Reverse Voltage | V_{RM} | 40 | V |
| DC Reverse Voltage | V_R | 25 | V |
| Mean Rectifying Current | I_O | 400 | mA |
| Peak Forward Surge Current | I_{FSM} | 2 | A |
| Junction Temperature | T_J | -40 to 125 | °C |
| Storage Temperature | T_{STG} | -30 to 85 | °C |

Electrical Characteristics @ 25°C Unless Otherwise Specified

| Parameter | Symbol | Min. | Typ. | Max. | Unit |
|------------------------------|--------|------|------|------|------|
| Forward Voltage @ $I_F=10mA$ | V_F | --- | --- | 0.3 | V |
| @ $I_F=200mA$ | | | | 0.5 | |
| Reverse Current @ $V_R=25V$ | I_R | --- | --- | 70 | uA |

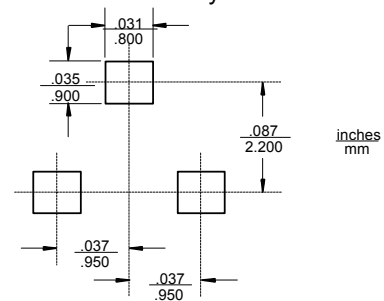
Marking: D3Q

SOT-23-3L



| DIM | DIMENSIONS | | | | NOTE |
|-----|------------|-------|------|------|------|
| | INCHES | | MM | | |
| | MIN | MAX | MIN | MAX | |
| A | .113 | .117 | 2.87 | 2.97 | |
| B | .108 | .112 | 2.75 | 2.85 | |
| C | .061 | .065 | 1.55 | 1.65 | |
| D | .036 | .038 | .925 | .975 | |
| E | .073 | .077 | 1.85 | 1.95 | |
| G | .0016 | .0039 | .04 | .100 | |
| H | .044 | .049 | 1.12 | 1.25 | |
| J | .006 | .007 | .14 | .17 | |
| K | .013 | .015 | .34 | .37 | |

Suggested Solder Pad Layout



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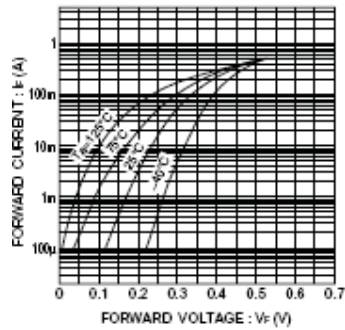


Fig.1 Forward characteristics

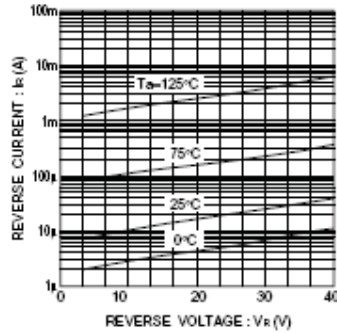


Fig.2 Reverse characteristics

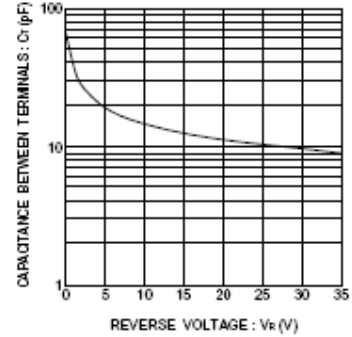


Fig.3 Capacitance between terminals characteristics



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