



Micro Commercial Components



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20736 Marilla Street Chatsworth
CA 91311
Phone: (818) 701-4933
Fax: (818) 701-4939

RB501V-40

0.1 Amp Schottky
Barrier Rectifier
40 Volts

Features

- Halogen free available upon request by adding suffix "-HF"
Marking: 4
Lead Free Finish/RoHS Compliant ("P" Suffix
designates RoHS Compliant. See ordering information)
Small Surface Mounting Type
Low Reverse Current and Low Forward Voltage
High Reliability
Epoxy meets UL 94 V-0 flammability rating
Moisture Sensitivity Level 1

Maximum Ratings

Table with 4 columns: Parameter, Symbol, Value, Unit. Rows include Peak Reverse Voltage, DC Reverse Voltage, Mean Rectifying Current, Peak Forward Surge Current, Junction Temperature, and Storage Temperature.

Electrical Characteristics @ 25°C Unless Otherwise Specified

Table with 6 columns: Parameter, Symbol, Min., Typ., Max., Unit. Rows include Forward Voltage, Reverse Current, and Capacitance Terminal.

SOD-323

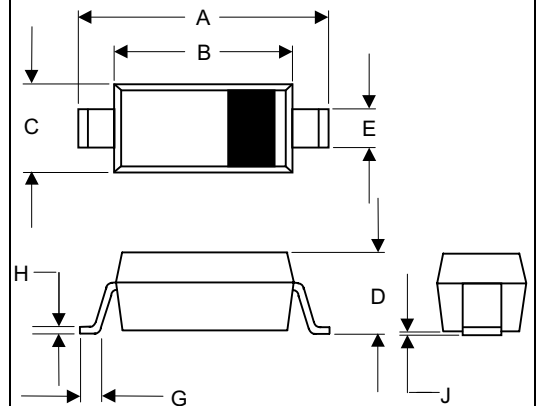
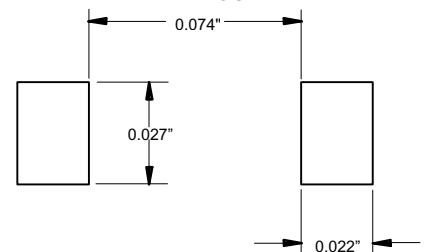


Table titled 'DIMENSIONS' with columns for DIM, INCHES (MIN, MAX), MM (MIN, MAX), and NOTE. Rows list dimensions A through J.

SUGGESTED SOLDER
PAD LAYOUT



# RB501V-40

● Electrical characteristic curves (Ta = 25°C)

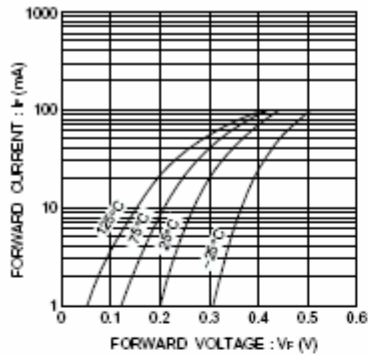


Fig. 1 Forward characteristics

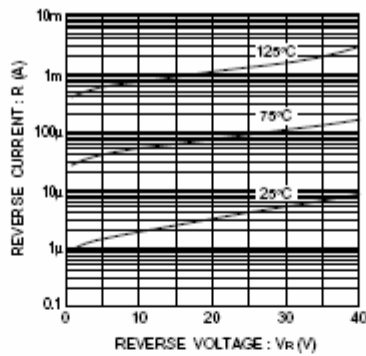


Fig. 2 Reverse characteristics

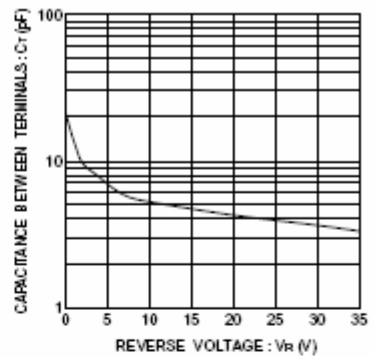


Fig. 3 Capacitance between terminals characteristics

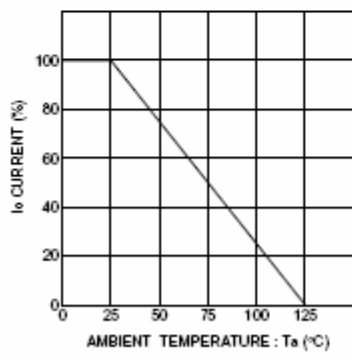


Fig. 4 Derating curve (mounting on glass epoxy PCBs)



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### Ordering Information :

| Device         | Packing               |
|----------------|-----------------------|
| Part Number-TP | Tape&Reel: 3Kpcs/Reel |

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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Authorized Distributor

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