



Micro Commercial Components



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BAT48

Small Signal Schottky Diode

Features

- High Reliability
Very low forward voltage
Small surface mounting type
Lead Free Finish/Rohs Compliant (Note1) ("P" Suffix designates Compliant. See ordering information)
Moisture Sensitivity Level 1

Maximum Ratings

- Operating Temperature: -65°C to +125°C
Storage Temperature: -65°C to +150°C
Maximum Thermal Resistance; 300°C/W Junction To Ambient

Electrical Characteristics @ 25°C Unless Otherwise Specified

Table with 4 columns: Parameter, Symbol, Value, and Test Conditions. Rows include Repetitive Peak Reverse Voltage, Forward continuous Current, Power Dissipation, Junction Temperature, Peak Forward Surge Current, Forward voltage pulse Test, Leakage current pulse test, and Typical Junction Capacitance.

Note: 1. Lead in Glass Exemption Applied, see EU Directive Annex 7(C)-I.

DO-35

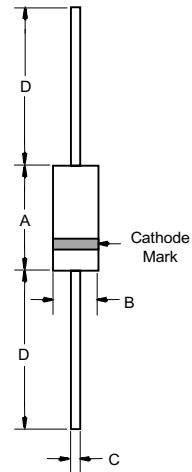


Table titled 'DIMENSIONS' with columns for DIM, INCHES (MIN, MAX), MM (MIN, MAX), and NOTE. Rows A, B, C, and D correspond to the dimensions in the diagram.

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Characteristics ($T_J=25$ unless otherwise specified)

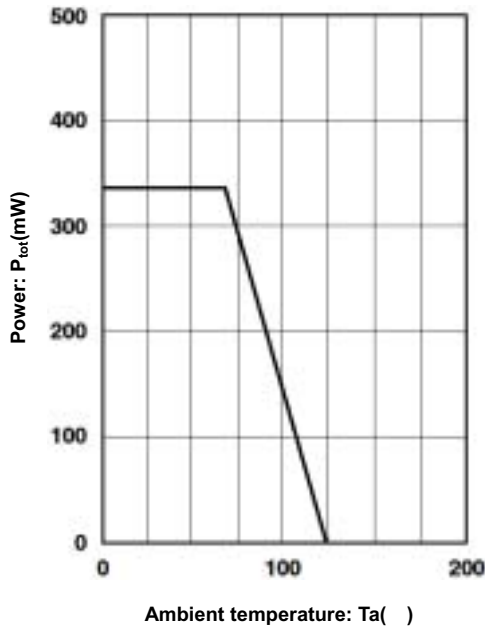


Figure 1. Admissible power dissipation vs. ambient temperature

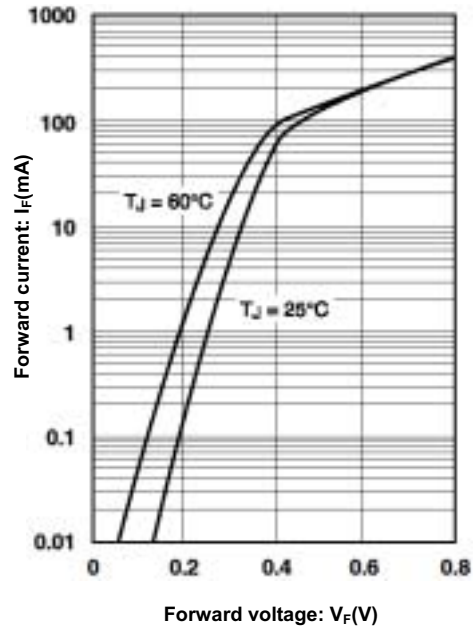


Figure 2. Forward characteristics

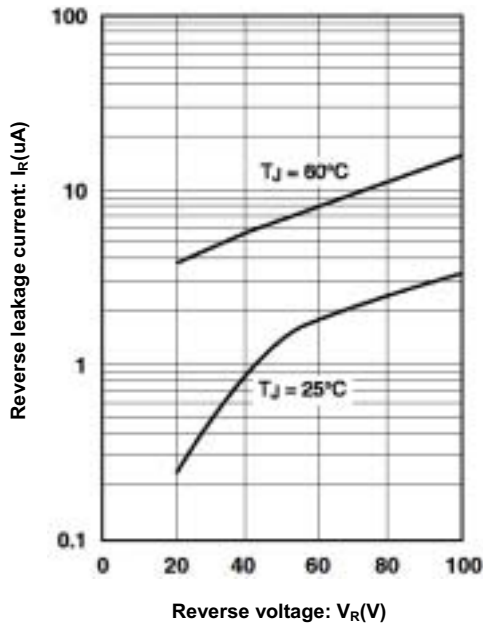


Figure 3. Typical reverse characteristics



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Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 10Kpcs/Reel
Part Number-AP	Ammo Packing: 5Kpcs/Ammo Box
Part Number-BP	Bulk: 100Kpcs/Carton

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