



Micro Commercial Components



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BAT45

30Milliamp Small
Signal Schottky Diode
15 Volt

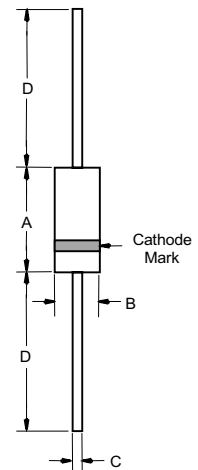
Features

- Moisture Sensitivity Level 1
Metal-to-silicon junction
Low turn-on voltage
Ultrafast switching speed
Marking : Cathode band and type number
Lead Free Finish/Rohs Compliant (Note1) ("P"Suffix designates Compliant. See ordering information)

Maximum Ratings

- Operating Temperature: -55°C to +125°C
Storage Temperature: 55°C to +150°C
Maximum Thermal Resistance; 400°C/W Junction To Ambient

DO-35



Electrical Characteristics @25°C Unless Otherwise Specified

Table with 4 columns: Parameter, Symbol, Value, and Conditions. Rows include Peak Reverse Voltage, Forward continuous Current, Junction Temperature, Peak Forward Surge Current, Maximum Instantaneous Forward Voltage, Maximum DC Reverse Current, Reverse Breakover Voltage, and Typical Junction Capacitance.

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.

* Pulse Test: 300µSec pulse width, 2% duty cycle

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

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Figure 1. Forward current versus forward voltage at different temperatures (typical values)

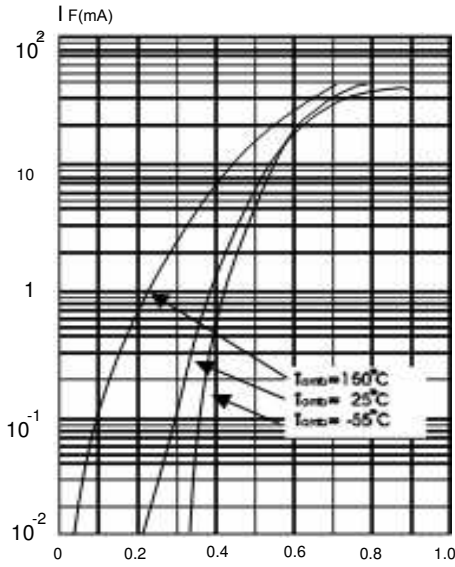


Figure 2. Forward current versus forward voltage (typical values)

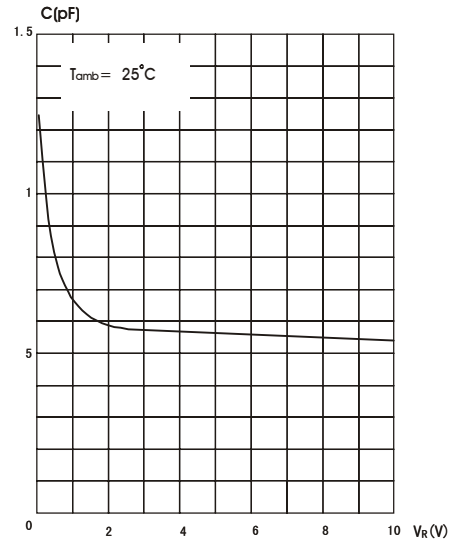


Figure 3. Reverse current versus ambient temperature

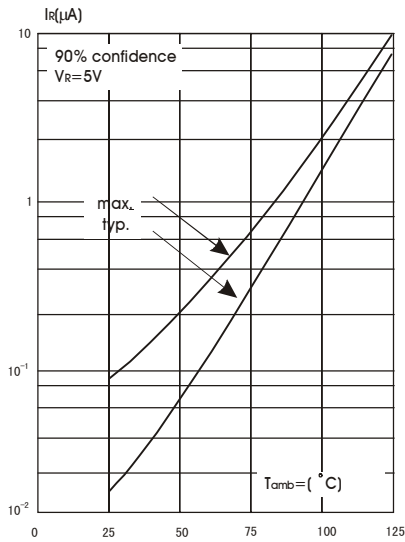
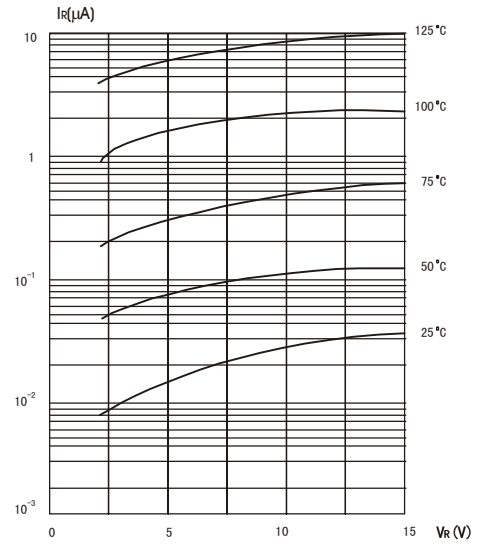


Figure 4. Reverse current versus continuous reverse voltage (typical values)





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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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