



Micro Commercial Components



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MBR545

5 Amp
Schottky Barrier
Rectifier
45 Volts

Features

- Metal of silicon rectifier, majority carrier conduction
• Guard ring for transient protection
• Low power loss high efficiency
• High surge capacity, High current capability
• Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix designates RoHS Compliant. See ordering information)
• Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0 and MSL Rating 1

Maximum Ratings

- Operating Temperature: -55°C to +125°C
• Storage Temperature: -55°C to +150°C
• Mounting Torque: 5 in-lbs Maximum

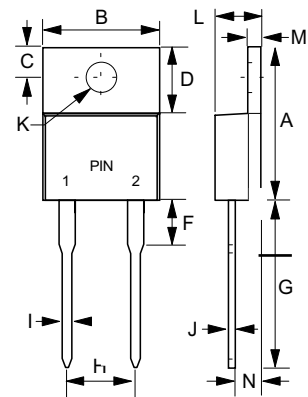
Table with 5 columns: Microsemi Catalog Number, Device Marking, Maximum Recurrent Peak Reverse Voltage, Maximum RMS Voltage, Maximum DC Blocking Voltage. Row 1: MBR545, MBR545, 45V, 31.5V, 45V

Electrical Characteristics @ 25°C Unless Otherwise Specified

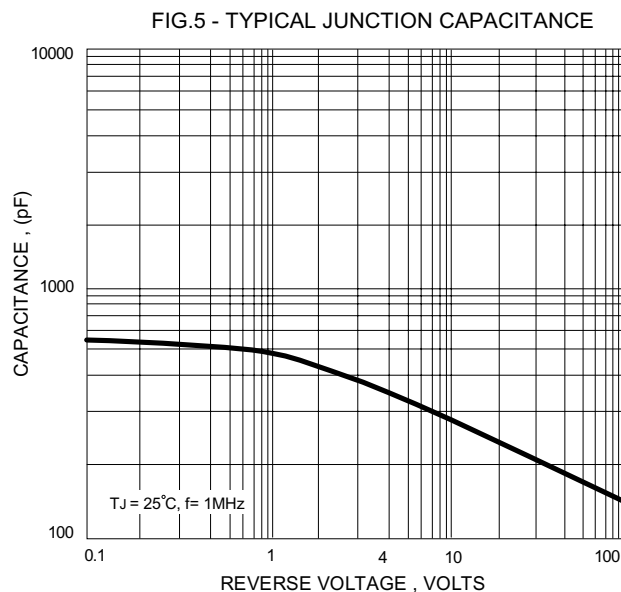
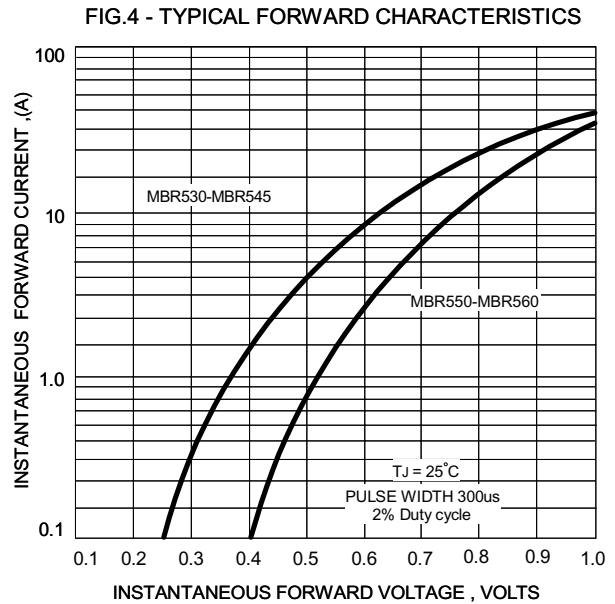
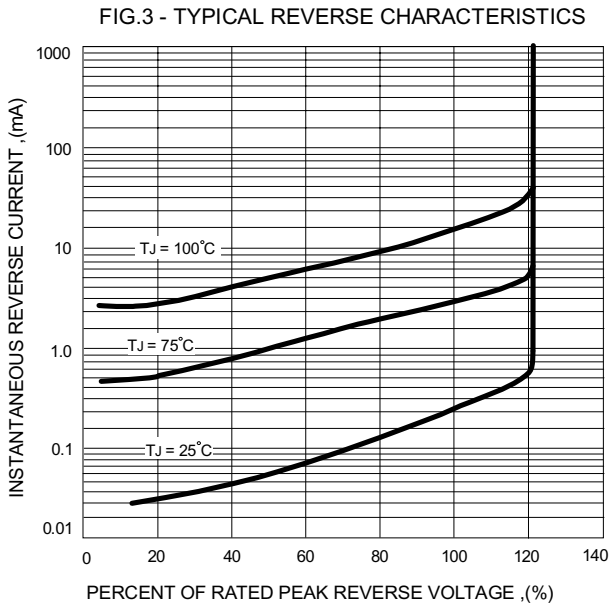
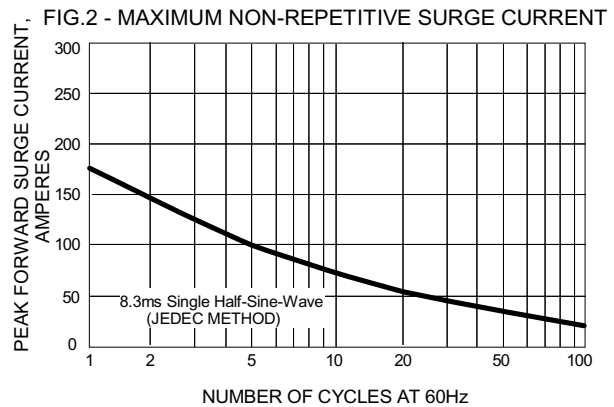
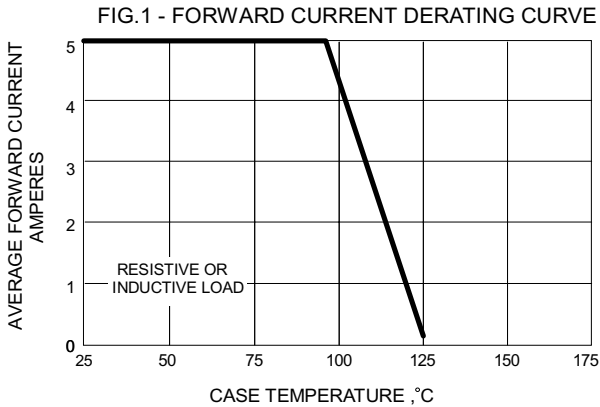
Table with 4 columns: Parameter, Symbol, Value, Conditions. Rows include Average Forward Current, Peak Forward Surge Current, Maximum Forward Voltage Drop Per Element, Maximum DC Reverse Current At Rated DC Blocking Voltage, Typical Junction Capacitance.

Notes: 1. High Temperature Solder Exemption Applied, see EU Directive Annex 7.
2. Pulse test: Pulse width 300 µsec, Duty cycle 2%

TO-220AC



DIMENSIONS table with columns: DIM, INCHES (MIN, MAX), MM (MIN, MAX), NOTE. Rows A through N.





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Ordering Information

Device	Packing
(Part Number)-BP	Bulk;1Kpcs/Box

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