



Micro Commercial Components



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SB1220
THRU
SB12100

Features

- Low Forward Voltage Drop
High Current Capability and High Surge Current Capability
Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix designates RoHS Compliant. See ordering information)
Epoxy meets UL 94 V-0 flammability rating
Moisture Sensitivity Level 1

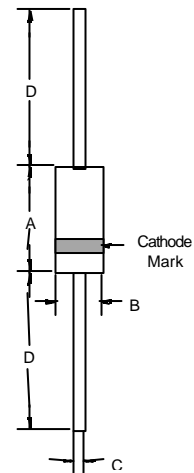
12 Amp Schottky
Barrier Rectifier
20 to 100 Volts

Maximum Ratings

- Operating Temperature SB1220~SB1240: -65°C to +125°C
SB1250~SB12100: -65°C to +150°C
Storage Temperature: -65°C to +150°C

DO-201AD

Table with 4 columns: MCC Part Number, Maximum Recurrent Peak Reverse Voltage, Maximum RMS Voltage, Maximum DC Blocking Voltage. Rows include SB1220 through SB12100.



Electrical Characteristics @ 25°C Unless Otherwise Specified

Table with 4 columns: Parameter, Symbol, Value, and Test Conditions. Rows include Average Forward Current, Peak Forward Surge Current, Maximum Instantaneous Forward Voltage, Maximum DC Reverse Current, Typical Junction Capacitance, and Typical Thermal Resistance.

Table with 6 columns: DIM, INCHES (MIN, MAX), MM (MIN, MAX), and NOTE. Rows include dimensions A, B, C, and D.

Notes: 1. High Temperature Solder Exemption Applied, see EU Directive Annex Notes 7.

FIG.1-TYPICAL FORWARD CHARACTERISTICS

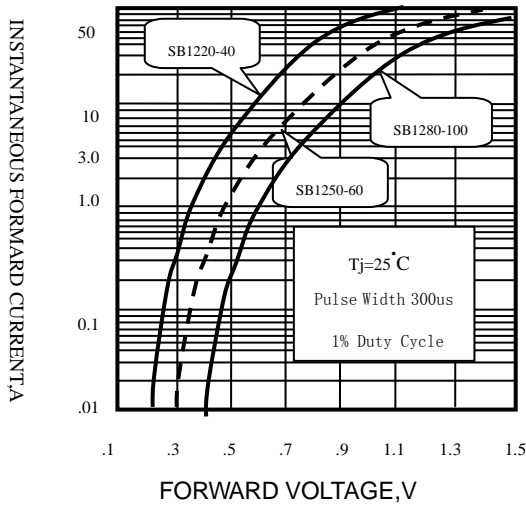


FIG.2-TYPICAL FORWARD CURRENT DERATING CURVE

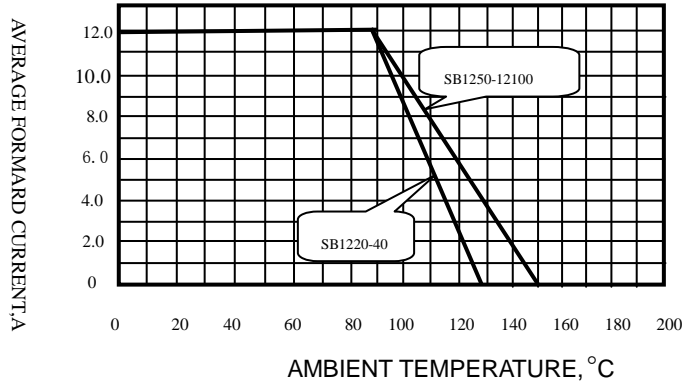


FIG.3-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

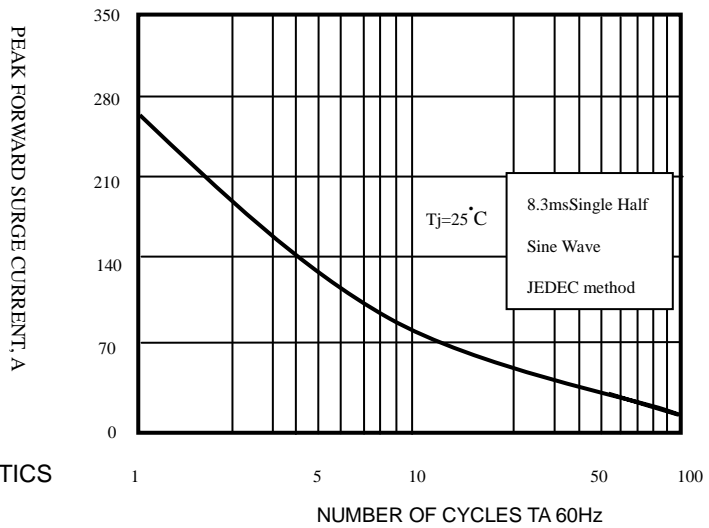


FIG.4-TYPICAL REVERSE CHARACTERISTICS

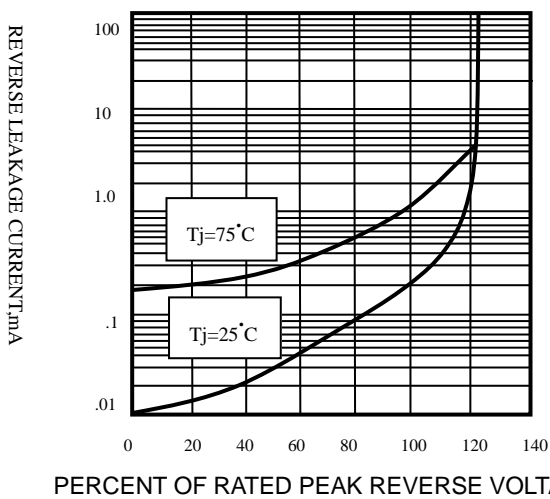
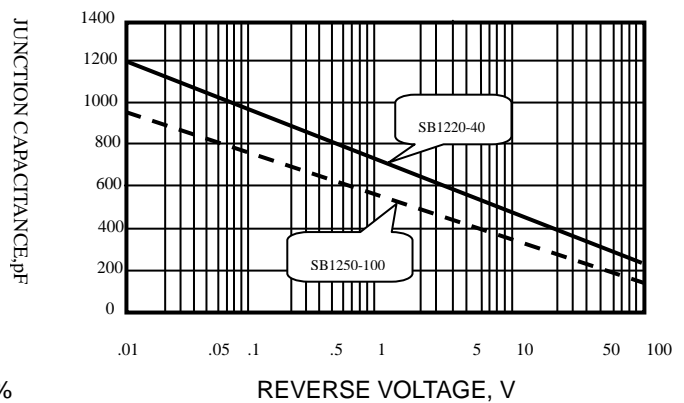


FIG.5-TYPICAL JUNCTION CAPACITANCE





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### Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 1.2Kpcs/Reel
Part Number-AP	Ammo Packing: 1.2Kpcs/Ammo Box
Part Number-BP	Bulk: 12Kpcs/Carton

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