

Schottky Rectifier - 1Amp 20~100Volt

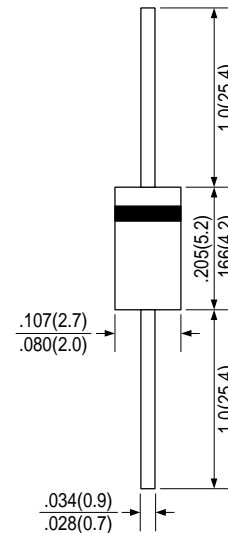
Features

- Low forward voltage drop
- High current capability
- High reliability
- High surge current capability
- Epitaxial construction

Mechanical data

- Case : Molded plastic
- Epoxy : UL 94V-0 rate flame retardant
- Lead : Axial leads, solderable per MIL-STD-202,method 208 guaranteed
- Polarity : Color band denotes cathode end
- Mounting position : Any
- Weight : 0.34 grams

DO-41



Maximum ratings and Electrical characteristics

TYPE	SB120	SB130	SB140	SB150	SB160	SB180	SB1100	UNIT
Maximum Recurrent Peak Reverse Voltage	20	30	40	50	60	80	100	V
Maximum RMS Voltage	14	21	28	35	42	56	70	V
Maximum DC Blocking Voltage	20	30	40	50	60	80	100	V
Maximum Average Forward Rectified Current	1.0							A
Peak Forward surge Current, 8.3ms single half sine-wave superimposed on rated load(JEDEC method)	30							A
Maximum Instantaneous Forward Voltage at 1.0A	0.55		0.70		0.85		V	
Maximum DC Reverse Current at Rated DC Blocking Voltage	Ta=25°C 1.0							mA
	Ta=100°C 10							
Typical Junction Capacitance	110							pF
Typical Thermal Resistance R JA	50							°C/W
Operating Temperature Range TJ	-50 - 125							°C
Storage Temperature Range TSTG	-65 - 150							°C

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SB120 ~ SB1100

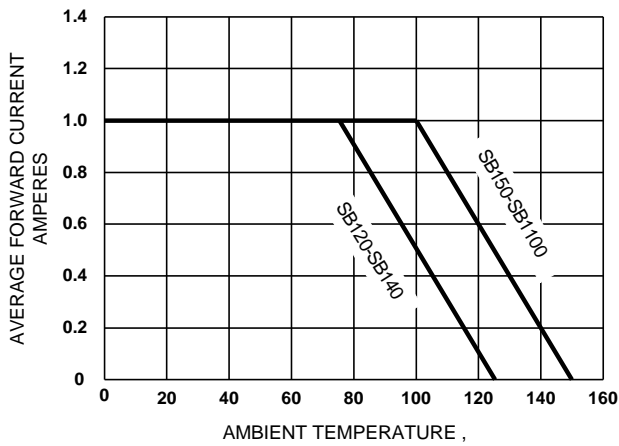


Figure 1. Forward Current Derating Curve

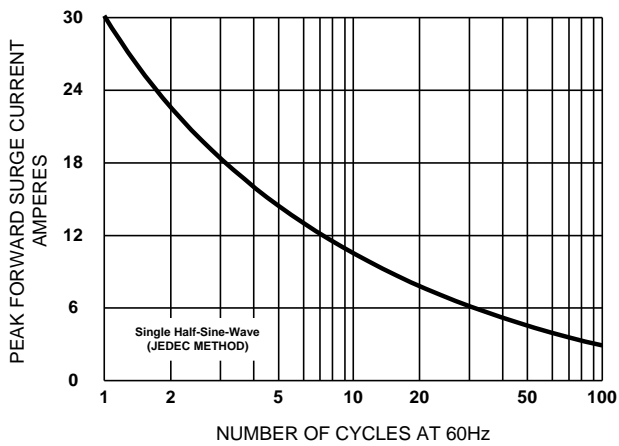


Figure 2. Maximum Non-repetitive Surge Current

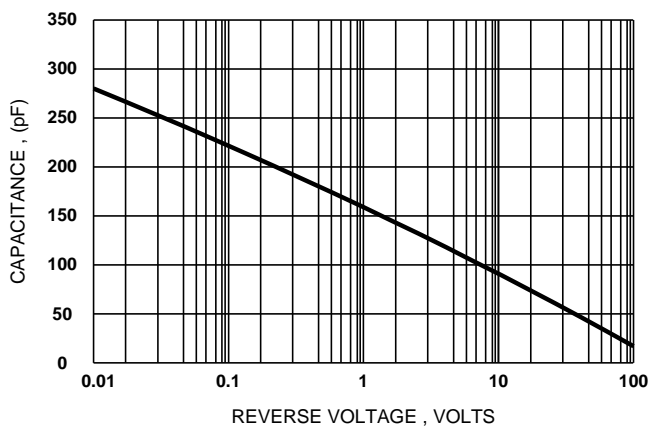


Figure 3. Typical Junction Capacitance

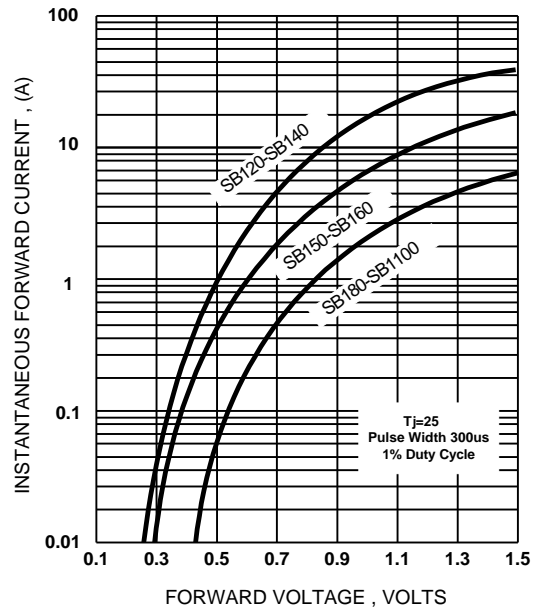


Figure 4. Typical Forward Characteristics

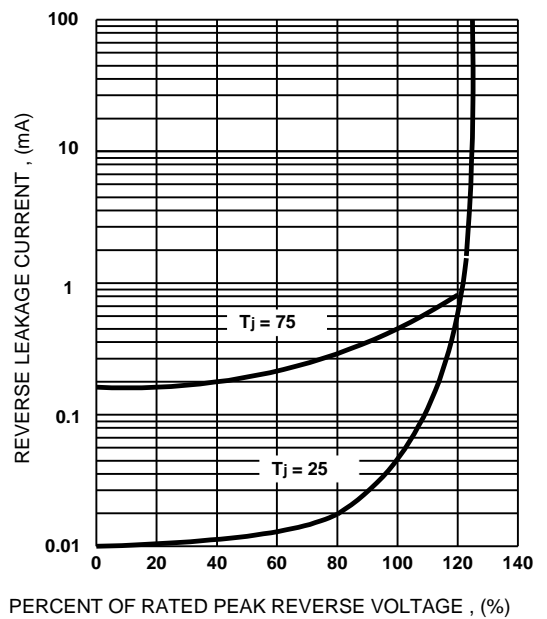


Figure 5. Typical Reverse Characteristics