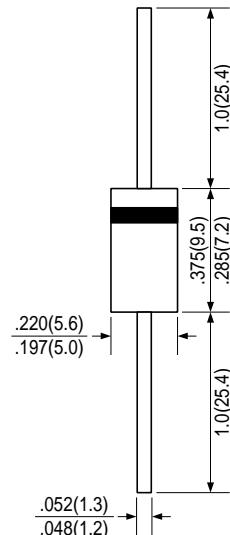


**Schottky Rectifier - 3Amp 20~100Volt**

**Features**

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

**DO-27**



**Mechanical data**

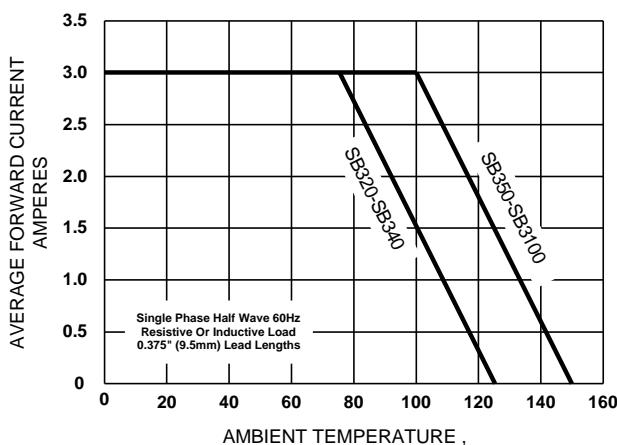
- Case : Molded plastic
- Epoxy : UL 94V-0 rate flame retardant
- Lead : Axial leads, solderable per MIL-STD-202, method 208 guaranteed
- Polarity : Color band denotes cathode end
- Mounting position : Any
- Weight : 1.10 grams

**Maximum ratings and Electrical characteristics**

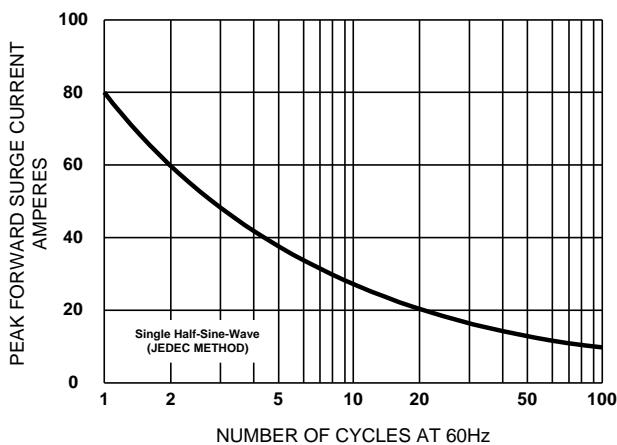
TYPE	SB320	SB330	SB340	SB350	SB360	SB380	SB3100	UNIT
Maximum Recurrent Peak Reverse Voltage	20	30	40	50	60	80	100	V
Maximum RMS Voltage	14	21	28	35	42	56	70	V
Maximum DC Blocking Voltage	20	30	40	50	60	80	100	V
Maximum Average Forward Rectified Current						3.0		A
Peak Forward urge Current, 8.3ms single half sine-wave superimposed on rated load						80		A
Maximum Instantaneous Forward Voltage at 3.0A	0.55		0.70		0.85			V
Maximum DC Reverse Current at Rated DC Blocking Voltage				Ta=25°C 3.0				mA
				Ta=100°C 30				
Typical Junction Capacitance			250					pF
Typical Thermal Resistance R JA			20					°C/W
Operating Temperature Range Tj			-50 - 125					°C
Storage Temperature Range Tstg			-65 - 150					°C

January 2004

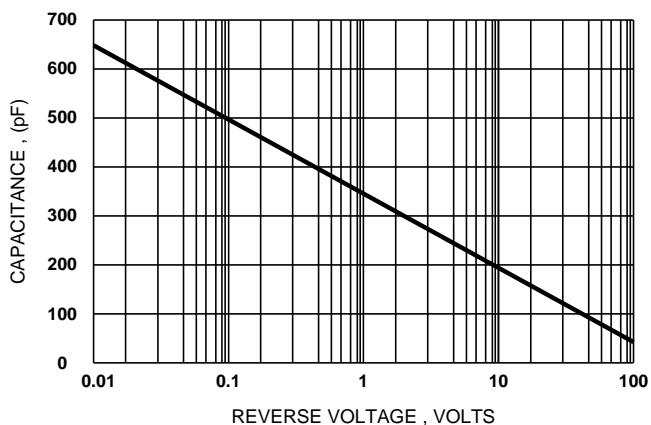
## SB320 ~ SB3100



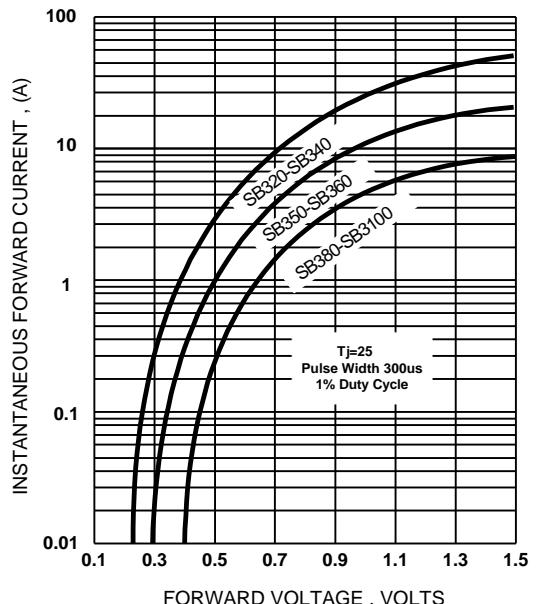
**Figure 1. Forward Current Derating Curve**



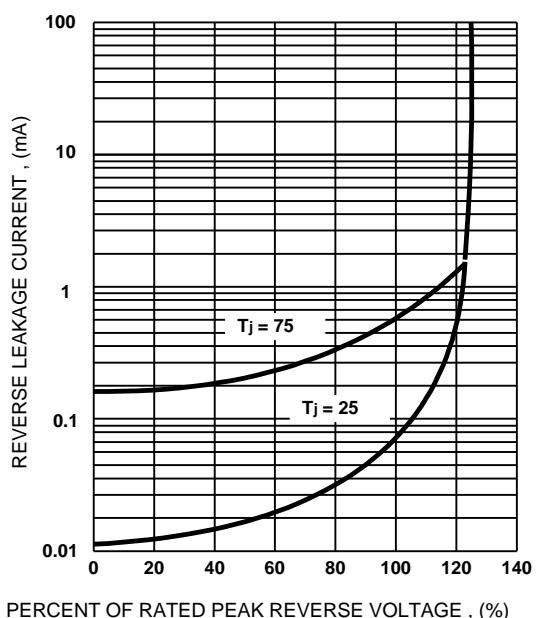
**Figure 2. Maximum Non-repetitive Surge Current**



**Figure 3. Typical Junction Capacitance**



**Figure 4. Typical Forward Characteristics**



**Figure 5. Typical Reverse Characteristics**