

# Diodo rectificador de barrera.

## Número de parte: SB2150

### Power Schottky Rectifier - 2Amp 150~200Volt

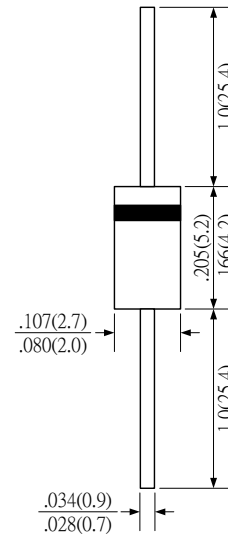
D0-41

#### 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



#### Maximum ratings and Electrical characteristics

TYPE	SB2150	SB2200	UNIT
Maximum Recurrent Peak Reverse Voltage	150	200	V
Maximum RMS Voltage	105	140	V
Maximum DC Blocking Voltage	150	200	V
Maximum Average Forward Rectified Current	2.0		A
Peak Forward Surge Current, 8.3ms single half sine-wave superimposed on rated load	50		A
Maximum Instantaneous Forward Voltage at 2.0A	0.88	0.90	V
Maximum DC Reverse Current at Rated DC Blocking Voltage	Ta = 25°C	0.01	mA
	Ta = 100°C	10	
Typical Junction Capacitance	170		pF
Typical Thermal Resistance R <sub>θJA</sub>	30		°C/W
Operating Temperature Range T <sub>J</sub>	-50 to +175		°C
Storage Temperature Range T <sub>STG</sub>	-50 to +150		°C

Note: Pulse Test : 380μs pulse width, 2% duty cycle

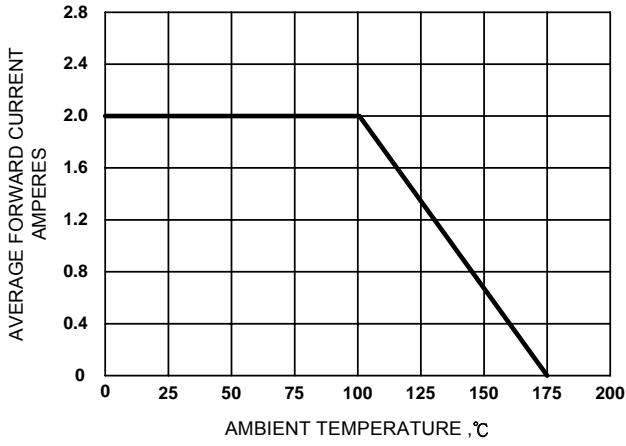


Figure 1. Forward Current Derating Curve

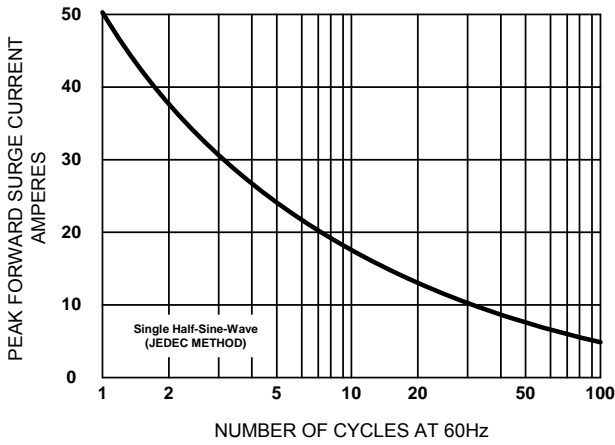


Figure 2. Maximum Non-repetitive Surge Current

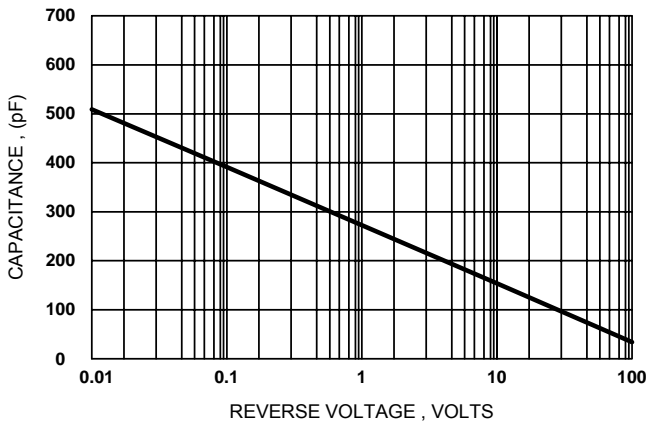


Figure 3. Typical Junction Capacitance

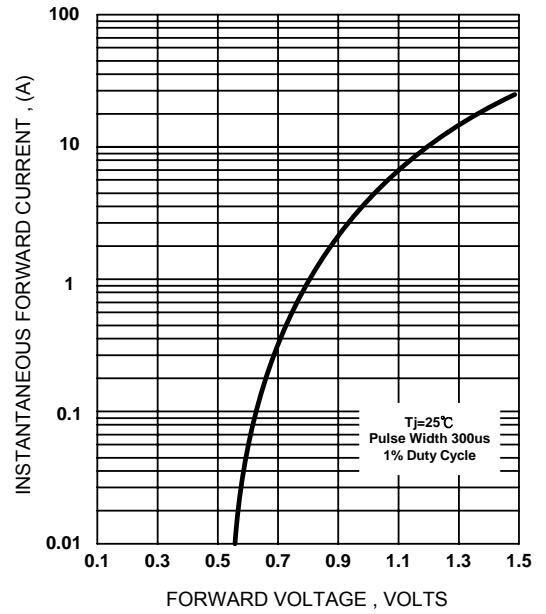


Figure 4. Typical Forward Characteristics

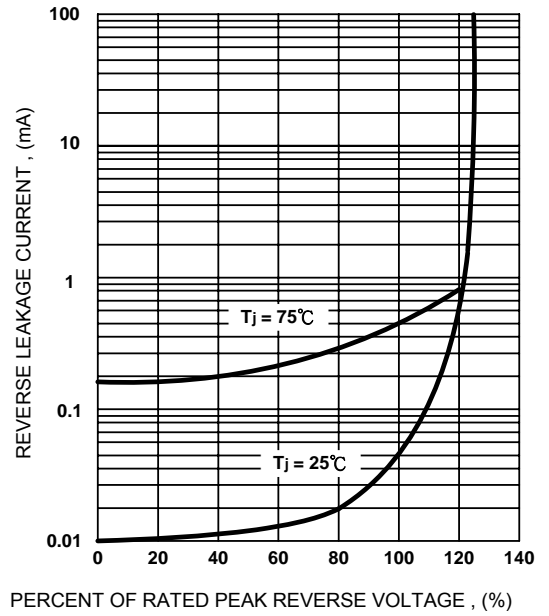


Figure 5. Typical Reverse Characteristics