

## Trench MOS Barrier Schottky Rectifier - 10Amp 60Volt

**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 : 1.2 grams

**Maximum ratings and Electrical characteristics**

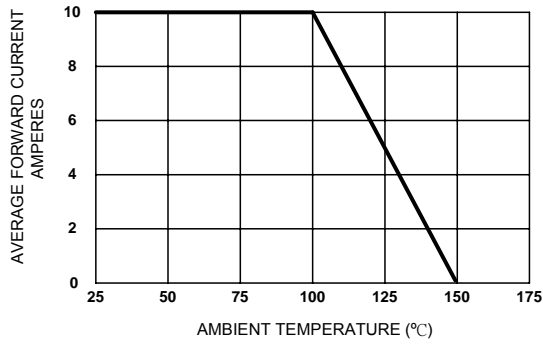
Parameters		SB1060V(H)	UNIT
Maximum Recurrent Peak Reverse Voltage		60	V
Maximum RMS Voltage		42	V
Maximum DC Blocking Voltage		60	V
Maximum Average Forward Rectified Current		10	A
Peak Forward Surge Current		125	A
Maximum Instantaneous Forward Voltage at 10A	Tc = 25°C	0.52	V
	Tc = 125°C	0.48	
Maximum Average Reverse Current at Rated DC Blocking Voltage	Tc = 25°C	0.1	mA
	Tc = 125°C	50	
Typical Junction Capacitance		500	pF
Typical Thermal Resistance R <sub>θJA</sub>		25	°C/W
Operating and Storage Temperature Range		-50 to +150	°C

Note : 1. H means Halogen-Free

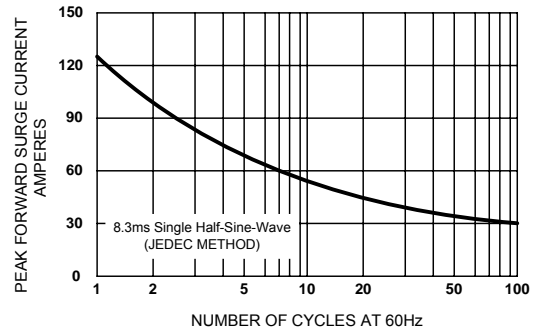
2. Mounted on P.C.B with copper pad size 16mm x 16mm, vertical P.C.B 9.5mm lead lengths

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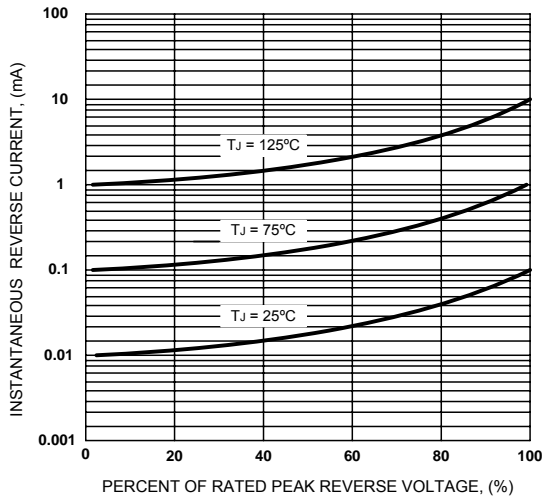
# SB1060V(H)



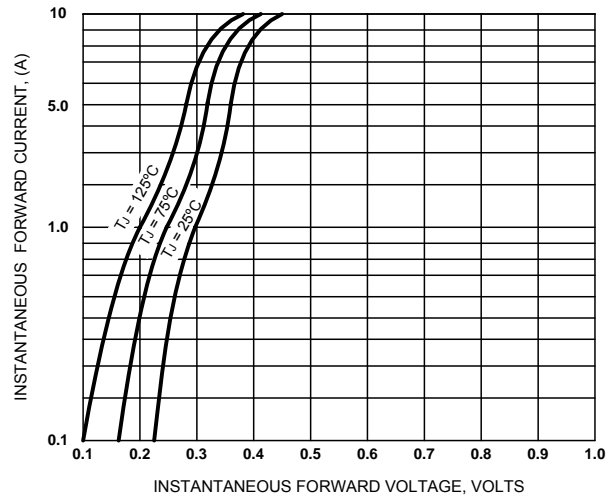
**Figure 1. Forward Current Derating Curve**



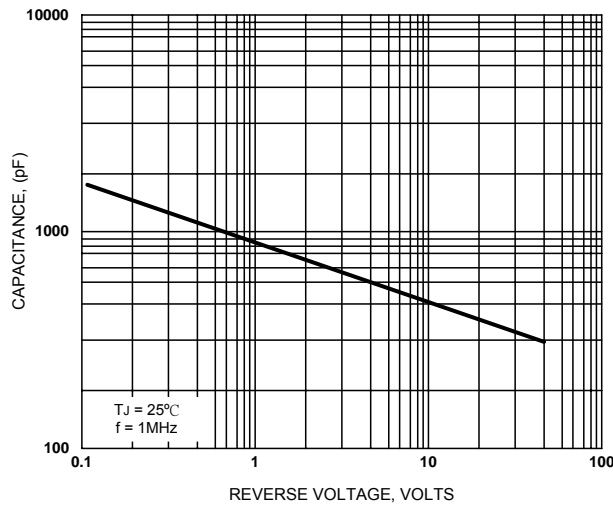
**Figure 2. Maximum Non-repetitive Surge Current**



**Figure 3. Typical Reverse Characteristics**



**Figure 4. Typical Forward Characteristics**



**Figure 5. Typical Junction Capacitance**



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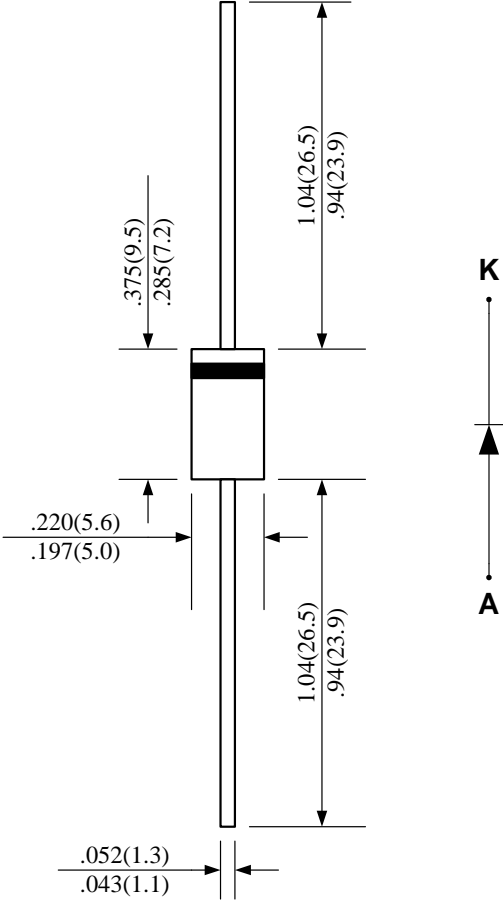
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**SB1060V(H)**

**D0-27 / D0-201AD**



UNIT : inch(mm)