

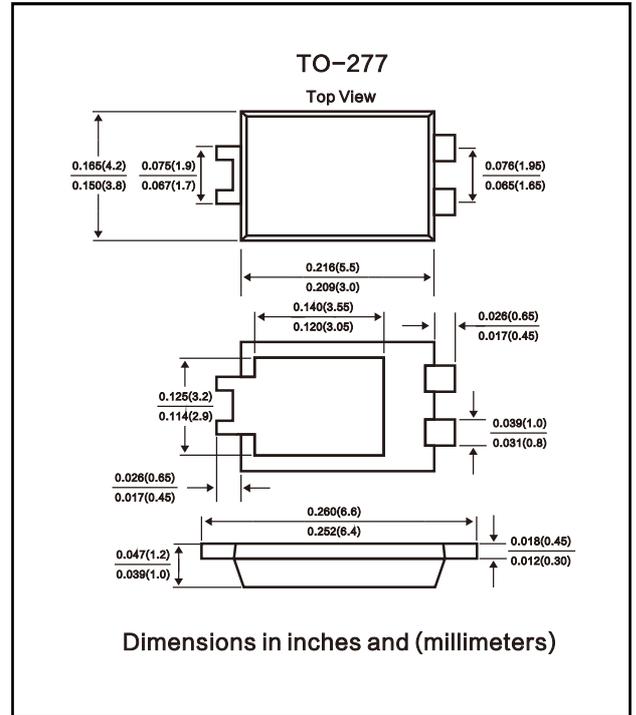
Schottky Barrier Rectifiers

FEATURES

- * Plastic package has underwriters laboratory Flammability classification 94V-0
- * Low power loss,high efficiency
- * For use in low voltage high frequency inverters, free wheeling,and polarity protection applications
- * Guarding for over voltage protection
- * High temperature soldering guaranteed: 260 C/10 seconds at terminals

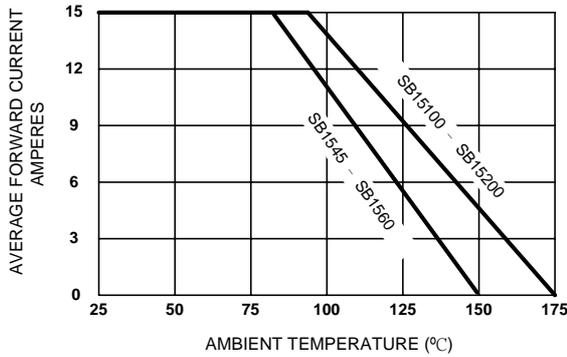
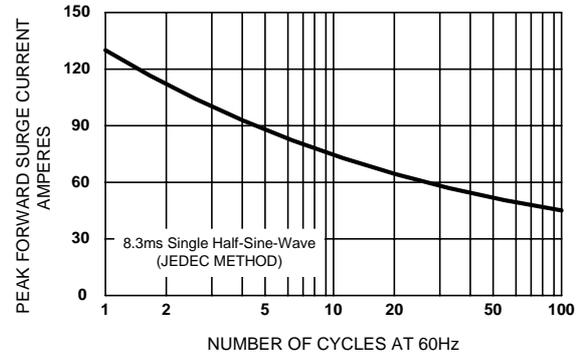
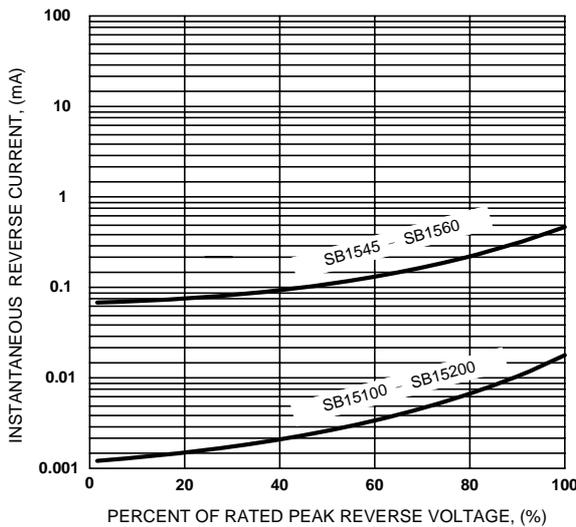
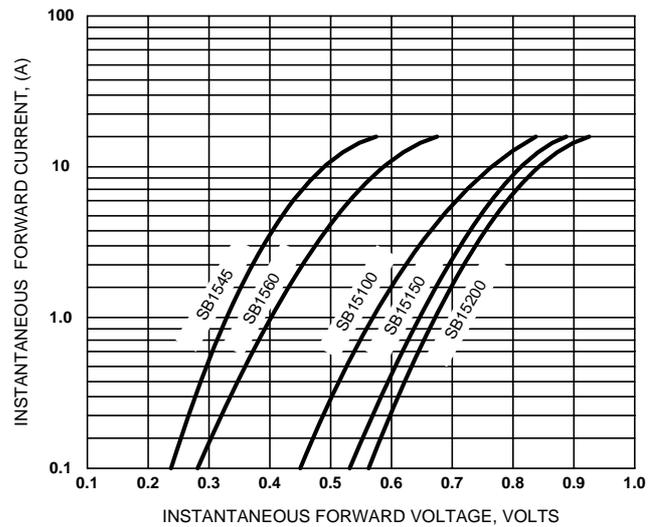
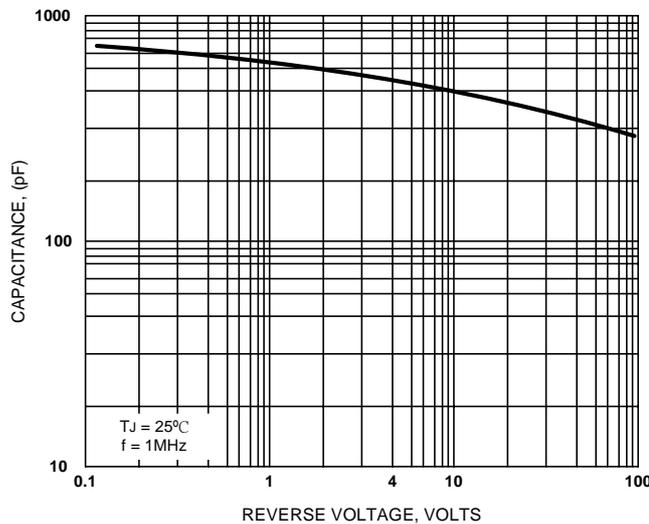
MECHANICAL DATA

Case: JEDEC TO-227 molded plastic body over passivated chip
Terminals: Solderable per MIL-STD-750, Method 2026
Polarity: Color band denotes cathode end
Mounting Position: Any
Weight:0.006 ounce, 0.02 grams



Maximum ratings and Electrical characteristics

Parameters		SB1545L	SB1560L	SB15100L	SB15150L	SB15200L	UNIT
Maximum Recurrent Peak Reverse Voltage		45	60	100	150	200	V
Maximum RMS Voltage		31	42	70	105	140	V
Maximum DC Blocking Voltage		45	60	100	150	200	V
Maximum Average Forward Rectified Current		15					A
Peak Forward Surge Current		130					A
Maximum Instantaneous Forward Voltage at 15A	Tc = 25°C	0.55	0.65	0.82	0.88	0.90	V
	Tc = 125°C	0.44	0.50	0.66	0.69	0.72	
Maximum Average Reverse Current at Rated DC Blocking Voltage	Tc = 25°C	0.5		0.05			mA
	Tc = 125°C	20		10			
Typical Junction Capacitance		450					pF
Typical Thermal Resistance RθJA		25					°C/W
Operating and Storage Temperature Range		-50 to +150		-50 to +175			°C

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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