

Power Schottky Rectifier - 3Amp 40~100V

☐ Features

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

☐ 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		SB340LH	SB360LH	SB3100LH	UNIT
Maximum Recurrent Peak Reverse Voltage		40	60	100	V
Maximum RMS Voltage		28	42	70	V
Maximum DC Blocking Voltage		40	60	100	V
Maximum Average Forward Rectified Current		3			A
Peak Forward Surge Current		80			A
Maximum Instantaneous Forward Voltage at 3A	Tc = 25°C	0.50	0.60	0.78	V
	Tc = 125°C	0.40	0.50	0.62	
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		150			pF
Typical Thermal Resistance R _{θJA}		30			°C/W
Operating and Storage Temperature Range		-50 to +150		-50 to +175	°C

June 2010 / Rev.6.6

SB340LH ~ SB3100LH

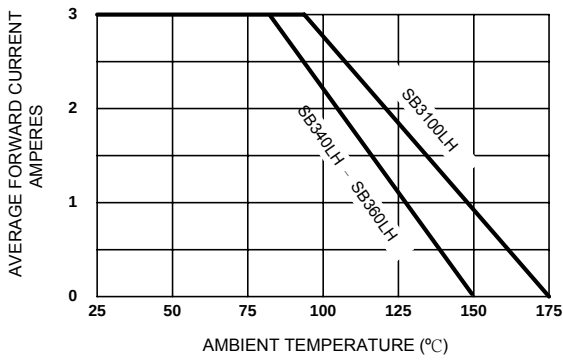


Figure 1. Forward Current Derating Curve

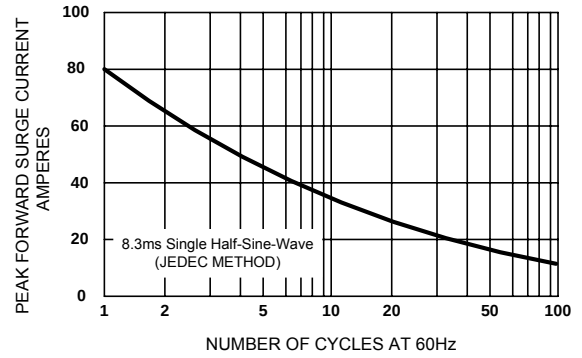


Figure 2. Maximum Non-repetitive Surge Current

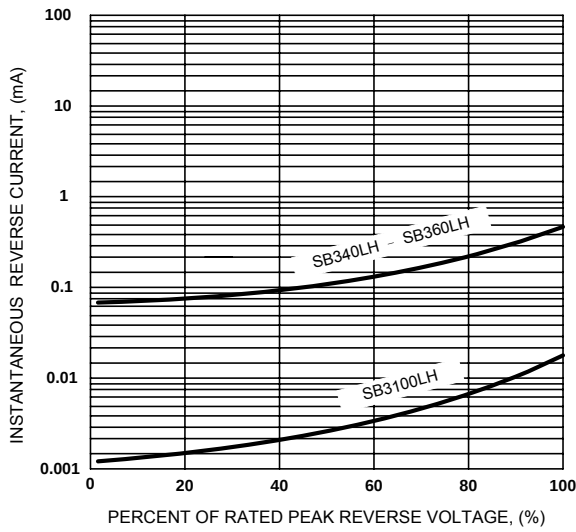


Figure 3. Typical Reverse Characteristics

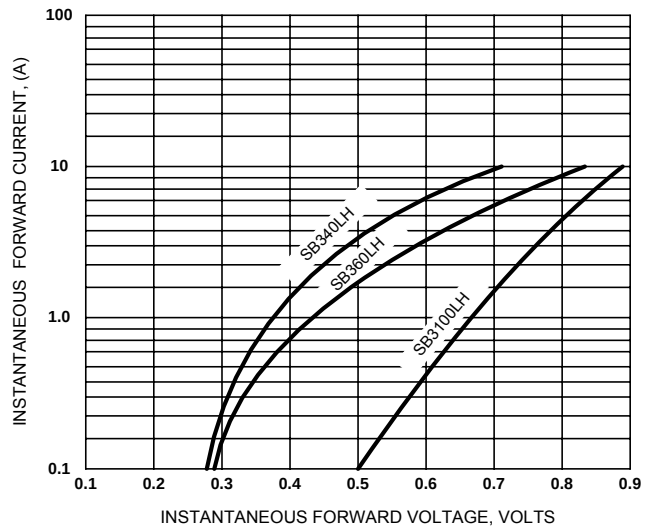


Figure 4. Typical Forward Characteristics

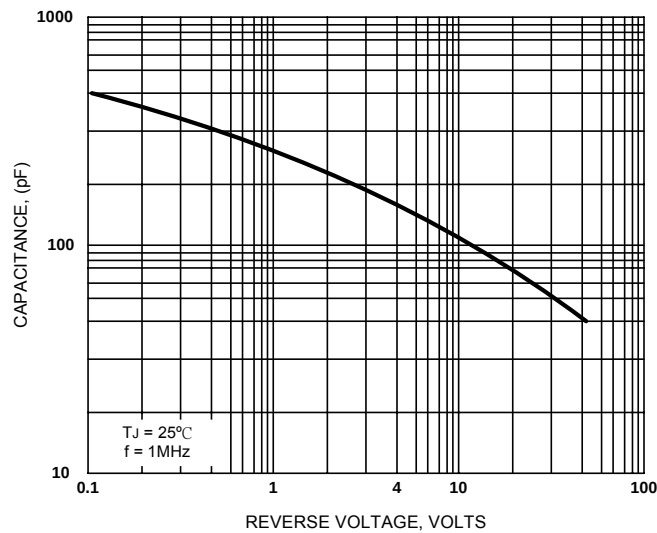


Figure 5. Typical Junction Capacitance



Sirectifier Global Corp., Delaware, U.S.A.

U.S.A.: sgc@sirectsemi.com
China: st@sirectsemi.com

France: ss@sirectsemi.com
Thailand: th@sirectsemi.com

Taiwan: se@sirectsemi.com
Philippines: aiac@sirectsemi.com

Hong Kong: hk@sirectsemi.com
Belize: belize@sirectsemi.com

SB340LH~SB3100LH

D0-27 / D0-201AD

