SLB210

SURFACE MOUNT FLAT SCHOTTKY BRIDGE RECTIFIER

VOLTAGE: 100V **CURRENT: 2.0A**

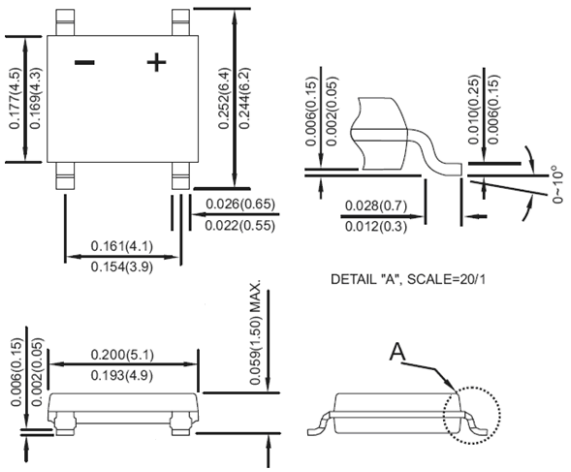
FEATURE

Ideal for printed circuit board
Reliable low cost construction utilizing molded plastic technique
Small size, simple installation
Low power loss, high efficiency
Low forward voltage, high current capability
High surge capacity

MECHANICAL DATA

Terminal: Plated leads solderable per J-STD-002
Case: UL-94 Class V-0 recognized Flame Retardant Epoxy
Polarity: Polarity symbol marked on body

LBF



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(single-phase, half-wave, 60HZ, resistive or inductive load rating at 25°C, unless otherwise stated)

	Symbol	SLB210	units
Maximum Recurrent Peak Reverse Voltage	Vrrm	100	V
Maximum RMS Voltage	Vrms	70	V
Maximum DC blocking Voltage	Vdc	100	V
Maximum Average Forward Current	If(av)	2.0	A
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load	Ifsm	50	A
Maximum Instantaneous forward voltage @2A	Vf	0.84	V
Maximum DC Reverse Current Ta =25℃ at rated DC blocking voltage Ta =125℃	Ir	4.0 1.0	uA mA
Typical Thermal Resistance Junction to Case	Rth(jc)	30	℃/W
Storage and Operating Junction Temperature Range	Tstg, Tj	-55 to +150	℃

Note:

Fig. 1 — Forward Current Derating Curve

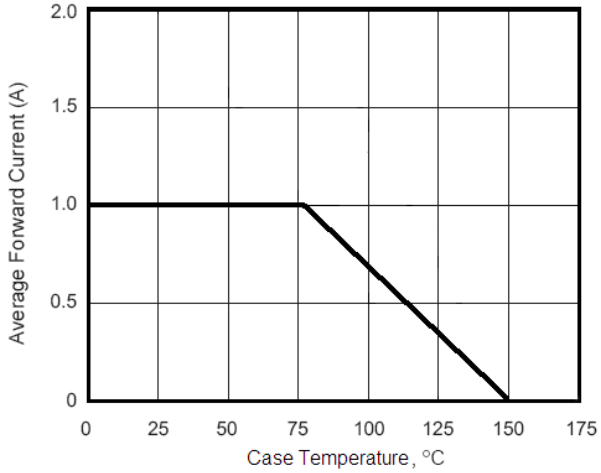


Fig. 2 — Maximum Non-Repetitive Peak Forward Surge Current

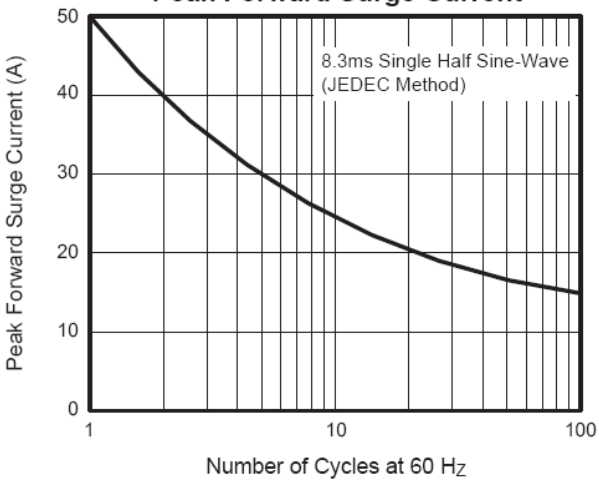


Fig. 3 — Typical Instantaneous Forward Characteristics

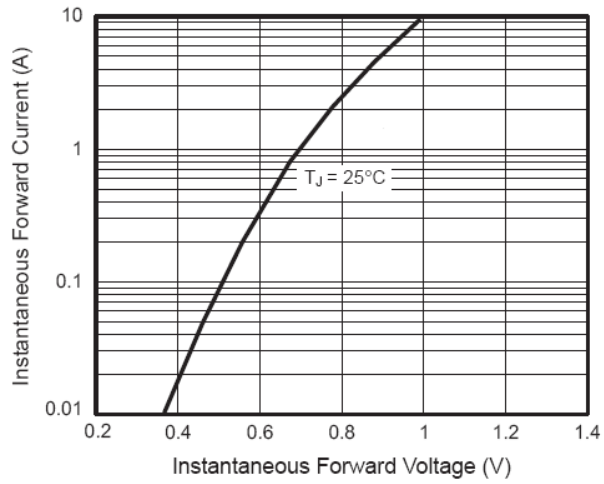


Fig. 4 — Typical Reverse Characteristics

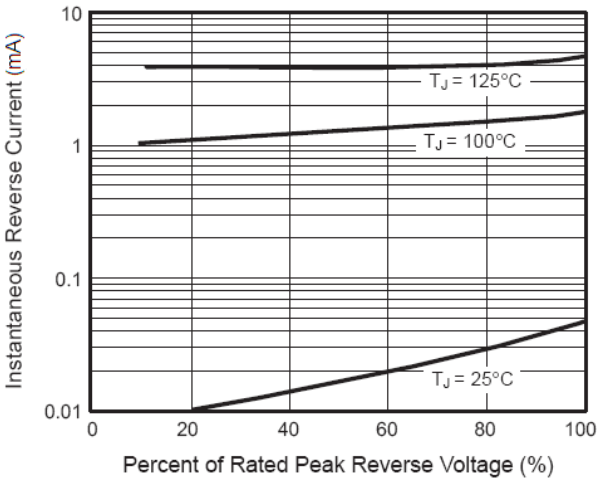


Fig. 5 - Typical Junction Capactitance