SB180 THRU SB1100

SCHOTTKY BARRIER RECTIFIER

VOLTAGE: 80 TO 100V

CURRENT: 1.0A

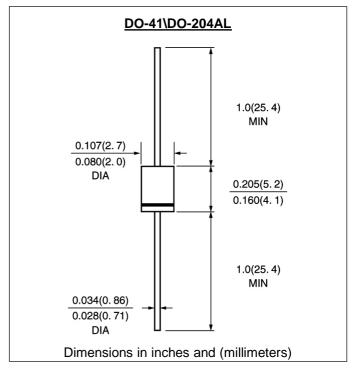


FEATURE

High current capability, Low forward voltage drop Low power loss, high efficiency High surge capability High temperature soldering guaranteed 250℃ /10sec/0.375" lead length at 5 lbs tension

MECHANICAL DATA

Terminal: Plated axial leads solderable per MIL-STD 202E, method 208C Case: Molded with UL-94 Class V-0 recognized Flame Retardant Epoxy Polarity: color band denotes cathode Mounting position: any



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

	SYMBOL	SB 180	SB 190	SB 1100	units
Maximum Recurrent Peak Reverse Voltage	Vrrm	80	90	100	V
Maximum RMS Voltage	Vrms	56	63	70	V
Maximum DC blocking Voltage	Vdc	80	90	100	V
Maximum Average Forward Rectified Current 3/8" lead length	lf(av)	1.0			A
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load	lfsm	40.0			A
Maximum Forward Voltage at 1.0A DC	Vf	0.84			V
Maximum DC Reverse CurrentTa = 25 °Cat rated DC blocking voltageTa = 125 °C	Ir	<u>500</u> 10.0			uA mA
Typical Junction Capacitance (Note 1)	Cj	110.0			pF
Typical Thermal Resistance (Note 2)	R(jc)	50.0			°C/W
Storage and Operating Junction Temperature	Tj	-55 to +125			C
Storage Temperature	Tstg	-55 to +150			C

Note:

1. Measured at 1.0 MHz and applied reverse voltage of 4.0Vdc

2. Thermal Resistance from Junction to Ambient at 0.5" lead length, vertical P.C. Board Mounted ¹

RATINGS AND CHARACTERISTIC CURVES SB180 THRU SB1100

