

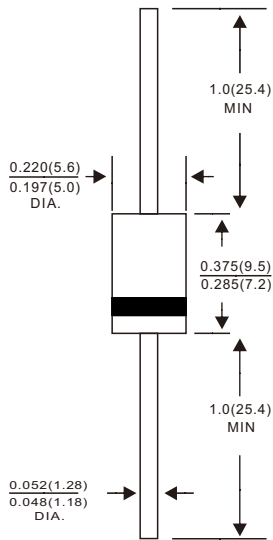


**SR320L THRU SR3200L**

**SCHOTTKY BARRIER RECTIFIER**

Reverse Voltage - 20 to 200 Volts Forward Current - 5.0 Ampere

**DO-201AD**



Dimensions in inches and (millimeters)

**FEATURES**

- The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- Metal silicon junction, majority carrier conduction
- Low power loss, high efficiency
- High forward surge current capability
- High temperature soldering guaranteed: 260°C/10 seconds, 0.375" (9.5mm) lead length, 5 lbs. (2.3kg) tension

**MECHANICAL DATA**

**Case:** JEDEC DO-201AD molded plastic body

**Terminals:** Plated axial leads, solderable per MIL-STD-750, Method 2026

**Polarity:** Color band denotes cathode end

**Mounting Position:** Any

**Weight:** 0.04 ounce, 1.10 grams

**MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS**

Ratings at 25 °C ambient temperature unless otherwise specified.

Single phase half-wave 60Hz, resistive or inductive load, for capacitive load current derate by 20%.

	SYMBOLS	SR 320L	SR 330L	SR 340L	SR 350L	SR 360L	SR 370L	SR 380L	SR 390L	SR 100L	SR 150L	SR 200L	UNITS	
Maximum repetitive peak reverse voltage	V <sub>RRM</sub>	20	30	40	50	60	70	80	90	100	150	200	VOLTS	
Maximum RMS voltage	V <sub>RMS</sub>	14	21	28	35	42	49	56	63	70	105	140	VOLTS	
Maximum DC blocking voltage	V <sub>DC</sub>	20	30	40	50	60	70	80	90	100	150	200	VOLTS	
Maximum average forward rectified current 0.375" (9.5mm) lead length ( see fig.1 )	I <sub(av)< sub=""></sub(av)<>	3.0											Amps	
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	I <sub>FSM</sub>	80.0											Amps	
Maximum instantaneous forward voltage at 5.0A	V <sub>F</sub>	0.38	0.45	0.55			0.70			0.80			Volts	
Maximum DC reverse current T <sub>A</sub> =25 °C at rated DC blocking voltage T <sub>A</sub> =100 °C	I <sub>R</sub>	0.5											0.2	mA
		20.0						10.0			2.0			
Typical junction capacitance (NOTE 1)	C <sub>J</sub>	250.0				160.0								pF
Typical thermal resistance (NOTE 2)	R <sub>θJA</sub>	40.0											°C/W	
Operating junction temperature range	T <sub>J</sub>	-65 to +125						-65 to +150						°C
Storage temperature range	T <sub>STG</sub>	-65 to +150											°C	

Note: 1. Measured at 1MHz and applied reverse voltage of 4.0V D.C.

2. Thermal resistance from junction to ambient at 0.375" (9.5mm) lead length, P.C.B. mounted