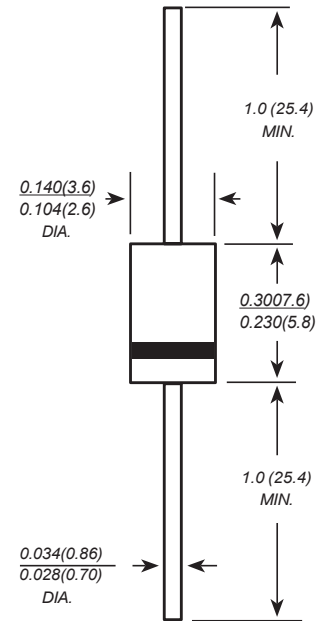


SCHOTTKY BARRIER RECTIFIERS

Features

- ◆ The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- ◆ Idea for printed circuit board
- ◆ Low reverse leakage
- ◆ High forward surge current capability
- ◆ High temperature soldering guaranteed
- ◆ 250°C/ 10 seconds at terminals

DO-15



Dimensions in inches and (millimeters)

Maximum Ratings And Electrical Characteristics

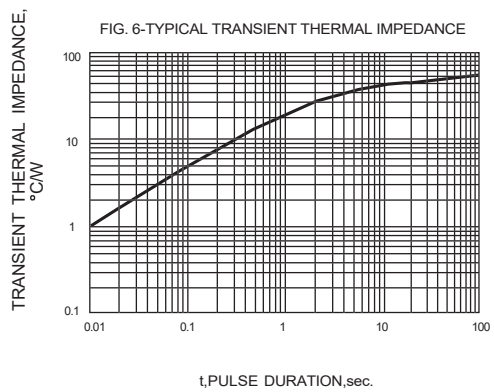
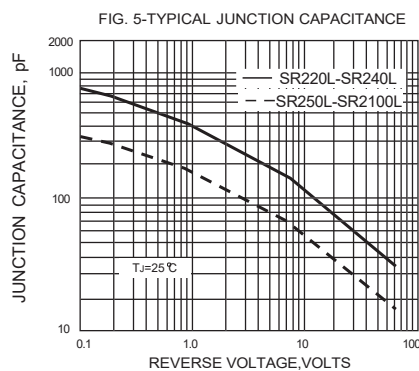
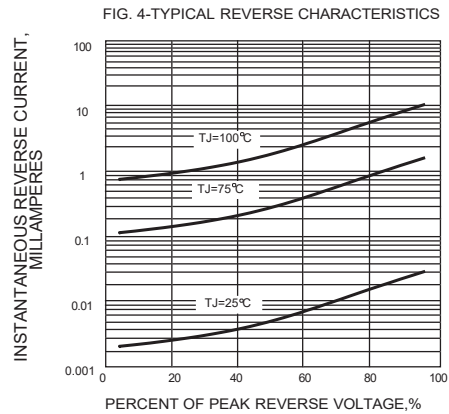
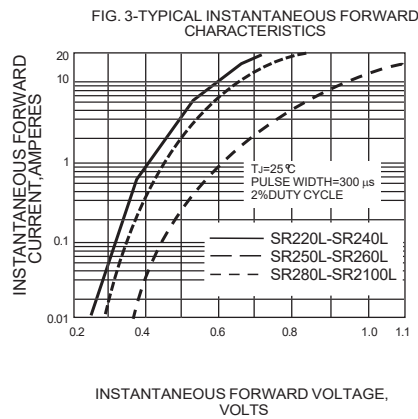
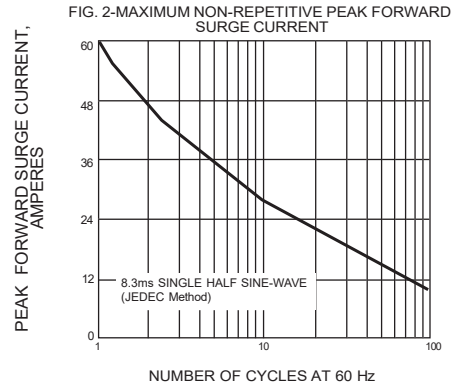
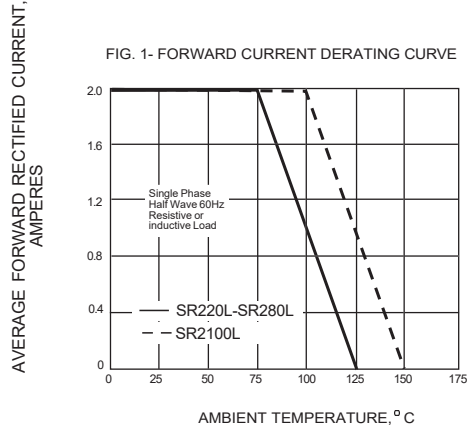
Ratings at 25 °C ambient temperature unless otherwise specified.
Single phase half-wave 60Hz, resistive or inductive load, for capacitive load current derate by 20%.

Parameter	SYMBOLS	SR220L	SR230L	SR240L	SR250L	SR260L	SR280L	SR2100L	UNITS
Marking Code									
Maximum repetitive peak reverse voltage	V _{RRM}	20	30	40	50	60	80	100	V
Maximum RMS voltage	V _{RMS}	14	21	28	35	42	56	70	V
Maximum DC blocking voltage	V _{DC}	20	30	40	50	60	80	100	V
Maximum average forward rectified current at T _A =75°C	I _(AV)	2.0							A
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	I _{FSM}	60							A
Maximum instantaneous forward voltage at 1.0A	V _F	0.45			0.50		0.70		V
Maximum DC reverse current T _A =25°C at rated DC blocking voltage T _A =100°C	I _R	0.5 10.0					0.2 5.0		mA
Typical junction capacitance (NOTE 1)	C _J	220			80				pF
Typical thermal resistance (NOTE 2)	R _{θJA}	50.0							°C/W
Operating junction temperature range	T _J	-55 to +125					-55 to+150		°C
Operating junction and storage temperature range	T _{STG}	-55 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

Ratings And Characteristic Curves



The curve above is for reference only.