

SCHOTTKY BARRIER RECTIFIER SR220 THRU SR2200 20 to 200 V 2.0 A

Features

- Plastic package has Underwriters Laboratory Flammability Classification 94V-0
- Metal silicon junction ,majority carrier conduction
- Guard ring for over voltage protection
- Low power loss ,high efficiency
- High current capability ,Low forward voltage drop
- High surge capability
- For use in low voltage ,high frequency inverters, Free wheeling and polarity protection applications
- High temperature soldering guaranteed: 260°C/10 seconds at terminals,
- 0.375"(9.5mm)lead length,5lbs.(2.3kg)tension

Mechanical Data

- Case: JEDEC DO-41 molded plastic body
- Terminals: solder plated ,solder able per MIL-STD-750,method 2026
- Polarity: color band denotes cathode end
- Mounting Position: Any
- Dice Size: 44mil
- Weight: 0.014ounce,0.33 gram

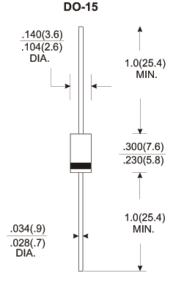
Maximum Ratings and Electrical Characteristics

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

	Symbols	SR 220	SR 230	SR 240	SR 250	SR 260	SR 280	SR 2100	SR 2150	SR 2200	Units
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	20	30	40	50	60	80	100	150	200	Volts
Maximum RMS Voltage	V _{RMS}	14	21	28	35	42	57	71	105	140	Volts
Maximum DC Blocking Voltage	V _{DC}	20	30	40	50	60	80	100	150	200	Volts
Maximum average forward rectified current 0.375"(9.5mm) lead length	I _(AV)	2.0									Amp
Peak Forward Surge Current, 8.3ms single half- sine-wave superimposed on rated load (JEDEC method)	I _{FSM}	50.0									Amp
Maximum instantaneous forward voltage at 2.0 A(Note 1)	V _F	0.55			0.	0.70 0.		85	0.90	0.95	Volts
Maximum Reverse Current T₄=25℃		0.5									mAmp
at Rated DC Blocking Voltage $T_{A}{=}100^{\circ}\!\mathrm{C}$	I _R	10									
Typical junction capacitance(Note 3)	CJ	170									₽F
Typical Thermal Resistance (Note 2)	R⊖ JA	35.0									°C/W
Operating Temperature Range	TJ	-65 to +150									°C
Storage Temperature Range	T _{STG}	-65 to +150									°C

NOTES:

- 1. Pulse test: 300 μ s pulse width, 1% duty cycle
- 2. Thermal resistance from junction to lead, and/or to ambient P.C.B. mounted With 0.375"(9.5mm) lead length With 1.5 X1.5"(38X38mm) copper pads
- 3. Measured at 1.0MHz and reverse voltage of 4.0 volts



Dimensions in inches and (millimeters)



SCHOTTKY BARRIER RECTIFIER SR220 THRU SR2200 20 to 200 V 2.0 A

RATINGS AND CHARACTERISTIC CURVES (SR220 THRU SR2200)

