

DC COMPONENTS CO., LTD.

RECTIFIER SPECIALISTS

SR1620 THRU SR16200

TECHNICAL SPECIFICATIONS OF SCHOTTKY BARRIER RECTIFIER VOLTAGE RANGE - 20 to 200 Volts CURRENT - 16 Amperes

FEATURES

- * Low switching noise
- * Low forward voltage drop
- * Low thermal resistance
- * High current capability
- * High swiching capability
- * High surge capability
- * High reliability

MECHANICAL DATA

* Case: Molded plastic

* Epoxy: UL 94V-0 rate flame retardant

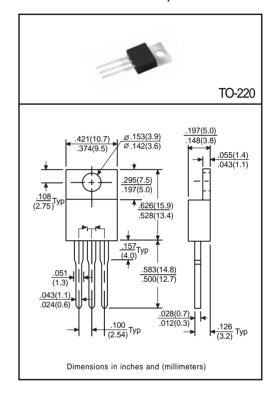
* Lead: MIL-STD-202E, Method 208 guaranteed

* Mounting position: Any

* Weight: 2.24 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%.



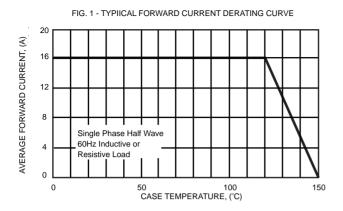
		SYMBOL	SR1620	SR1630	SR1640	SR1650	SR1660	SR1680	SR16100	SR16150	SR16200	UNITS
Maximum Recurrent Peak Reverse Voltage		VRRM	20	30	40	50	60	80	100	150	200	Volts
Maximum RMS Voltage		VRMS	14	21	28	35	42	56	70	105	140	Volts
Maximum DC Blocking Voltage		VDC	20	30	40	50	60	80	100	150	200	Volts
Maximum Average Forward Rectified Current at Derating Csae Temperature		lo	16									Amps
Peak Forward Surge Current IFM(surge): 8.3 ms single half sine-wave superimposed on rated load (JEDEC Method)		IFSM	150								Amps	
Maximum Forward Voltage at 8.0A DC		VF		0.65		0.	0.75		0.85		0.95	
Maximum DC Reverse Current at	@Tc = 25°C		2.0									mAmps
Rated DC Blocking Voltage	@Tc = 100°C	- IR	100									
Typical Thermal Resistance (Note 1)		RθJC	2.5									°C/W
Typical Junction Capacitance (Note 2)		CJ	700									pF
Operating and Storage Temperature Range		TJ, TSTG	-55 to +150									٥С

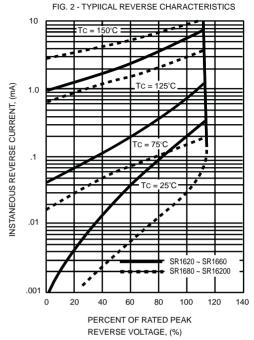
Note: 1. Thermal Resistance Junction to Case per leg.

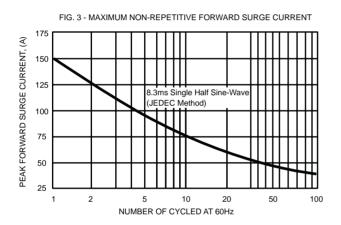
- 2. Measured at 1 MHz and applied reverse voltage of 4.0 volts.
- 3. Suffix "A"= Common Anode
- 4. Suffix "F" Stands for "ITO-220" package. (e.g.: SR1620F, SR1630F,etc)

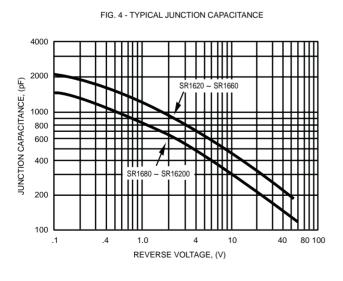
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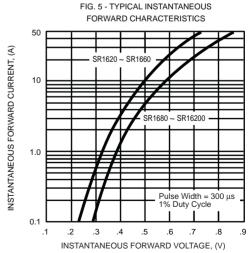
RATING AND CHARACTERISTIC CURVES (SR1620 THRU SR16200)











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