DC COMPONENTS CO., LTD.

RECTIFIER SPECIALISTS

THRU

SR350

SR3100

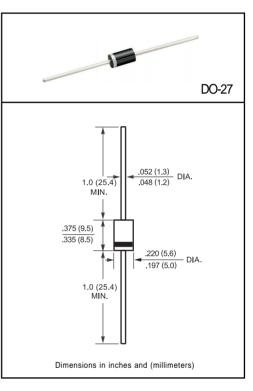
TECHNICAL SPECIFICATIONS OF SCHOTTKY BARRIER RECTIFIERVOLTAGE RANGE - 50 to 100 VoltsCURRENT - 3.0 Amperes

FEATURES

- * Fast switching
- * Low switching noise
- * Low forward voltage drop
- * High current capability
- * High switching capability
- * High reliability
- * High surge capability

MECHANICAL DATA

- * Case: Molded plastic
- * Epoxy: UL 94V-0 rate flame retardant
- * Lead: MIL-STD-202E, Method 208 guaranteed
- * Polarity: Color band denotes cathode end
- * Mounting position: Any
- * Weight: 1.18 grams



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

		SYMBOL	SR350	SR360	SR380	SR3100	UNITS
Maximum Recurrent Peak Reverse Voltage		Vrrm	50	60	80	100	Volts
Maximum RMS Voltage		Vrms	35	42	56	70	Volts
Maximum DC Blocking Voltage		VDC	50	60	80	100	Volts
Maximum Average Forward Rectified Current .375*(9.5mm) lead length		ю	3.0				Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC Method)		IFSM	80			Amps	
Maximum Instantaneous Forward Voltage at 3.0A DC		VF	.75 .85		.85	Volts	
Maximum DC Reverse Current	@TA = 25°C	- IR	3.0				mAmps
at Rated DC Blocking Voltage	@TA = 100°C		30				mAmps
Typical Thermal Resistance (Note 1)		RθJA	30			°C/W	
Typical Junction Capacitance (Note 2)		CJ	200				pF
Operating Temperature Range		TJ	-65 to + 150				٥C
Storage Temperature Range		Tstg	-65 to + 150				٥C

NOTES: 1. Thermal Resistance (Junction to Ambient): Vertical PC Board Mounting, 0.5*(12.7mm) Lead Length.

2. Measured at 1 MHz and applied reverse voltage of 4.0 volts.

RATING AND CHARACTERISTIC CURVES (SR350 THRU SR3100)

