

DC COMPONENTS CO., LTD.

RECTIFIER SPECIALISTS

SS0520 THRU SS0540

TECHNICAL SPECIFICATIONS OF SCHOTTKY BARRIER RECTIFIER VOLTAGE RANGE - 20 to 40 Volts CURRENT - 0.5 Ampere

FEATURES

- * For general purpose applications
- * Low turn-on voltage
- * Fast switching time
- * Protected by a PN junction guard ring against excessive voltage, such as electrostatic discharge(ESD)
- * MARKING: SS0520:SD SS0530:SE SS0540:SF

MECHANICAL DATA

* Case: Molded plastic

* Epoxy: UL 94V-0 rate flame retardant

* Terminals: Solder plated, solderable per

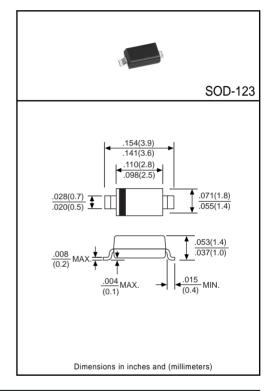
MIL-STD-202E, Method 208 guaranteed

* Mounting position: Any

* Weight: 0.008 grams Approx.

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%.

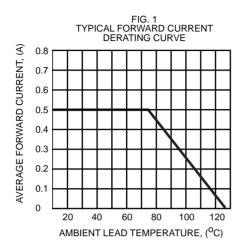


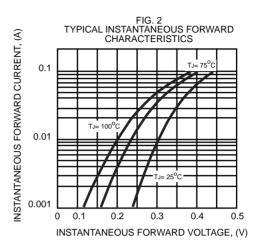
		SYMBOL	SS0520	SS0530	SS0540	UNITS
Maximum Recurrent Peak Reverse Voltage		VRRM	20	30	40	Volts
Maximum RMS Voltage		VRMS	14	21	28	Volts
Maximum DC Blocking Voltage		VDC	20	30	40	Volts
Maximum Average Forward Rectified Current at TA=75°C		lo	0.5			Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC Method)		IFSM	5.5			Amps
Maximum Instantaneous Forward Voltage	@ Ir=0.5A	VF	0.385	0.430	0.510	Volts
	@ IF=1A		-	-	0.620	
Maximum DC Reverse Current at Rated DC Blocking Voltage		l _R	0.25	0.13	0.02	mAmps
Typical Thermal Resistance (Note1)		RθJA	244		°C/W	
Typical Junction Capacitance (Note 2)		CJ	50		pF	
Storage Operating Temperature Range		TJ, TSTG	-55 to + 125			°C

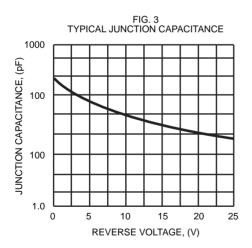
Note: 1. Terminals maintained at specified at ambient temperature.

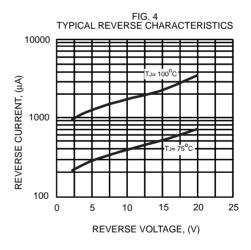
2. Measured at 1 MHz and applied reverse voltage of 0 volts.

RATING AND CHARACTERISTIC CURVES (SS0520 THRU SS0540)









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