

DC COMPONENTS CO., LTD.

RECTIFIER SPECIALISTS

SS32 THRU SS320

TECHNICAL SPECIFICATIONS OF SCHOTTKY BARRIER RECTIFIER VOLTAGE RANGE - 20 to 200 Volts CURRENT - 3.0 Amperes

FEATURES

- * Ideal for surface mounted applications
- * Low leakage current
- * Low forward voltage drop
- * Low power loss, high efficiency
- * High surge capability

MECHANICAL DATA

* Case: Molded plastic

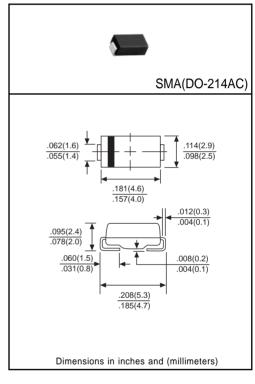
* Epoxy: UL 94V-0 rate flame retardant * Terminals: Solder plated solderable per

MIL-STD-750, Method 2026

* Polarity: As marked * Mounting position: Any * Weight: 0.064 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%.



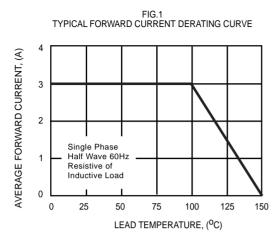
		SYMBOL	SS32	SS33	SS34	SS35	SS36	SS38	SS310	SS315	SS320	UNITS
Maximum Recurrent Peak Reverse Voltage		VRRM	20	30	40	50	60	80	100	150	200	Volts
Maximum RMS Voltage		VRMS	14	21	28	35	42	56	70	105	140	Volts
Maximum DC Blocking Voltage		VDC	20	30	40	50	60	80	100	150	200	Volts
Maximum Average Forward Rectified Current at Derating Lead Temperature TA=100°C		lo	3.0									Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC Method)		IFSM	70									Amps
Maximum Instantaneous Forward Voltage at 3.0A DC		VF	0.55		0.	70	0.85		0.95		Volts	
Maximum DC Reverse Current at Rated DC Blocking Voltage	@Ta = 25°C @Ta = 100°C	lr					2.0 20		mAmps			
Typical Thermal Resistance (Note 1)		Reja	88									°C/W
Typical Junction Capacitance (Note 2)		CJ	250									pF
Operating Temperature Range		TJ	-55 to +125									٥C
Storage Temperature Range		Tstg	-55 to +150									٥C

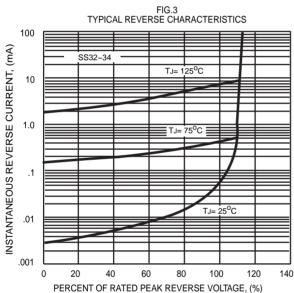
NOTES: 1. Thermal Resistance (Junction to Ambient)

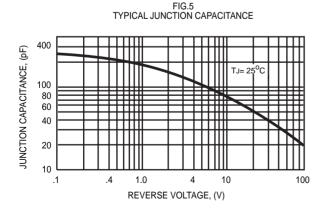
- 2. Measured at 1 MHz and applied reverse voltage of 4.0 volts.
- 3. P.C.B. mounted with 0.2x0.2"(5.0x5.0mm²) copper pad area.

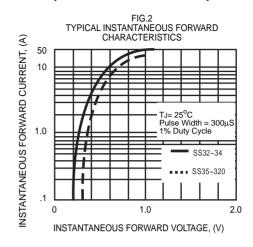
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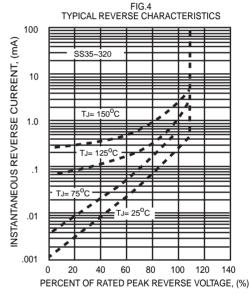
RATING AND CHARACTERISTIC CURVES (SS32 THRU SS320)

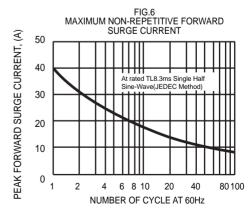












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