



DC COMPONENTS CO., LTD.

RECTIFIER SPECIALISTS

SK32B
THRU
SK320B

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
- * Glass passivated junction
- * Low profile package
- * Low power loss, high efficiency
- * High surge capability

MECHANICAL DATA

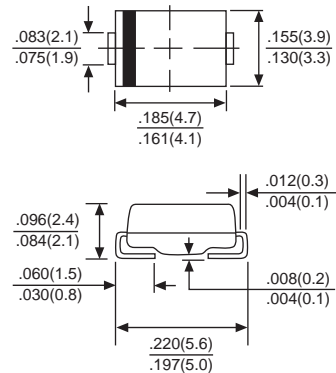
- * Case: Molded plastic
- * Epoxy: UL 94V-0 rate flame retardant
- * Terminals: Solder plated solderable per MIL-STD-750, Method 2026
- * Polarity: As marked
- * Mounting position: Any
- * Weight: 0.093 gram

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%.



SMB (DO-214AA)

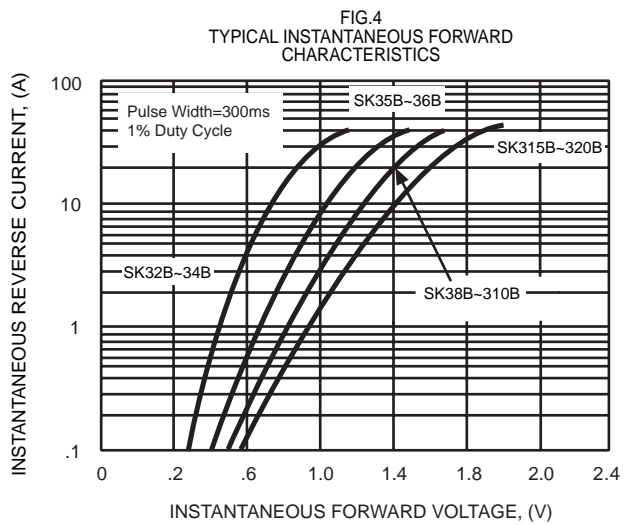
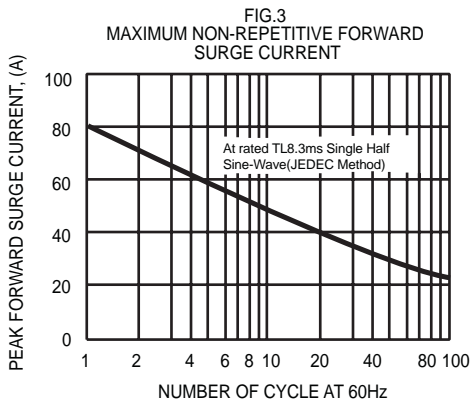
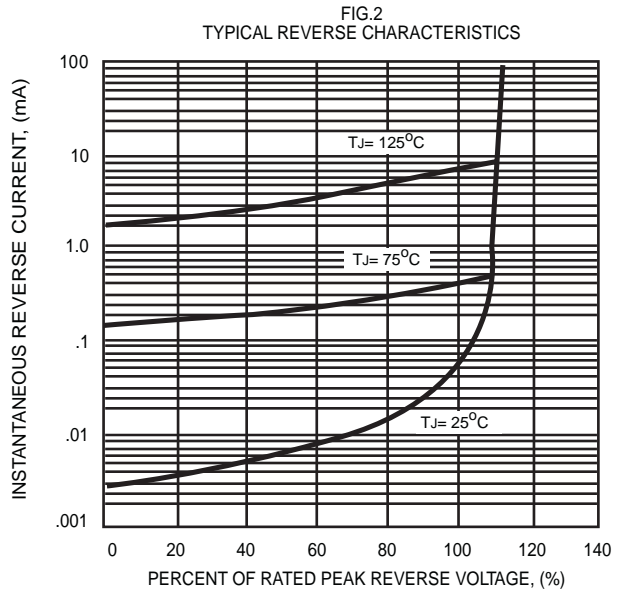
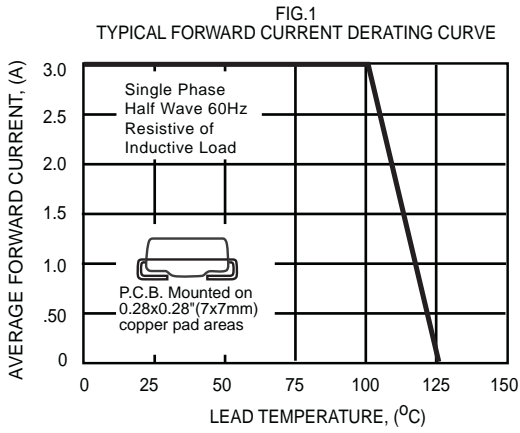


Dimensions in inches and (millimeters)

	SYMBOL	SK32B	SK33B	SK34B	SK35B	SK36B	SK38B	SK310B	SK315B	SK320B	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	56	70	105	140	Volts
Maximum DC Blocking Voltage	V _{DC}	20	30	40	50	60	80	100	150	200	Volts
Maximum Average Forward Rectified Current at Derating Lead Temperature	I _O	3.0									Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC Method)	I _{FSM}	80									Amps
Maximum Instantaneous Forward Voltage at 3.0A DC	V _F	0.55			0.70		0.85		0.95		Volts
Maximum DC Reverse Current at Rated DC Blocking Voltage	@ T _A = 25°C	2.0									mAmps
	@ T _A = 100°C	10									
Typical Thermal Resistance (Note 1)	R _{θJL}	20									°C/W
Storage Operating Temperature Range	T _J , T _{STG}	-55 to +150									°C

- NOTES : 1. Thermal Resistance (Junction to Lead)
2. Measured at 1 MHz and applied reverse voltage of 4.0 volts.
3. P.C.B. mounted with 0.28x0.28"(7.0x7.0mm²) copper pad area.

RATING AND CHARACTERISTIC CURVES (SK32B THRU SK320B)



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