

DC COMPONENTS CO., LTD.

RECTIFIER SPECIALISTS

SK22 THRU SK210

TECHNICAL SPECIFICATIONS OF SURFACE MOUNT SCHOTTKY BARRIER VOLTAGE RANGE - 20 to 100 Volts CURRENT - 2.0 Amperes

FEATURES

- * Ideal for surface mounted applications
- * Low leakage current
- * Glass passivated junction

MECHANICAL DATA

* Case: Molded plastic

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

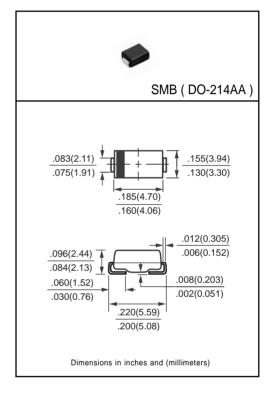
MIL-STD-750, Method 2026

* 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, 60 Hz, resistive or inductive load.

For capacitive load, derate current by 20%.

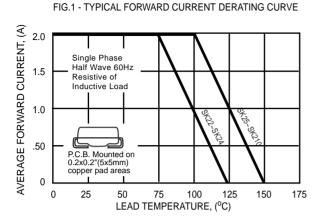


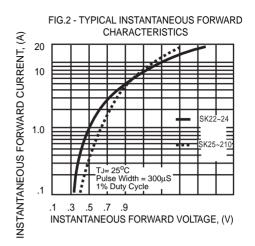
		SYMBOL	SK22	SK23	SK24	SK25	SK26	SK28	SK210	UNITS
Maximum Recurrent Peak Reverse Voltage		VRRM	20	30	40	50	60	80	100	Volts
Maximum RMS Voltage		VRMS	14	21	28	35	42	56	70	Volts
Maximum DC Blocking Voltage		VDC	20	30	40	50	60	80	100	Volts
Maximum Average Forward Rectified Current at Derating Lead Temperature Ta=105 °C		Ю	2.0						Amps	
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC Method)		IFSM	50						Amps	
Maximum Instantaneous Forward Voltage at 2.0A DC		VF		0.55 0.70 0.85		85	Volts			
Maximum DC Reverse Current	@Ta = 25°C	l _R	1.0						- mAmps	
at Rated DC Blocking Voltage	@Ta = 100°C	T IK	20							
Typical Thermal Resistance (Note 1)		RθJA	75						°C/W	
Typical Junction Capacitance (Note 2)		Cı	130						pF	
Operating Temperature Range		TJ	-55 to + 125							٥C
Storage Temperature Range		Tstg	-55 to + 150						°C	

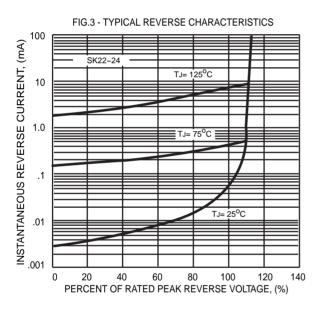
NOTES: 1. Thermal Resistance (Junction to Ambient).

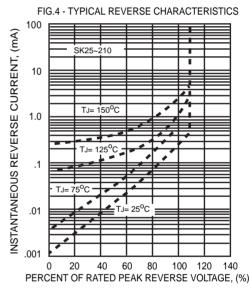
- 2. Measured at 1 MHz and applied reverse voltage of 4.0 volts.
- 3. P.C.B Mounted with 0.2X0.2in²(5.0X5.0mm²) copper pad area.

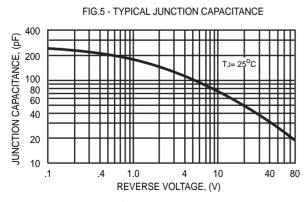
RATING AND CHARACTERISTIC CURVES (SK22 THRU SK210)

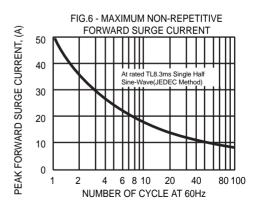














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