

SK515C THRU SK520C

SCHOTTKY BARRIER RECTIFIER

Reverse Voltage - 150 to 200 Volts Forward Current - 5.0 Ampere

FEATURES

- The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- For surface mounted applications
- Metal silicon junction, majority carrier conduction
- Low reverse leakage
- Built-in strain relief, ideal for automated placement
- High forward surge current capability
- High temperature soldering guarantéed: 250°C/10 seconds at terminals



Case: JEDEC SMC(DO-214AB) molded plastic body **Terminals**: Solder plated , solderable per MIL-STD-750,

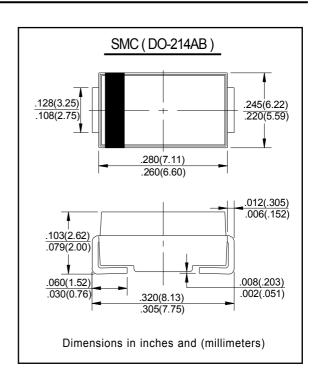
Method 2026

Polarity: Color band denotes cathode end

Mounting Position: Any

Weight: 0.007 ounce, 0.24grams





Maximum Ratings and Electrical Characteristics @TA=25°C unless otherwise specified

Single Phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

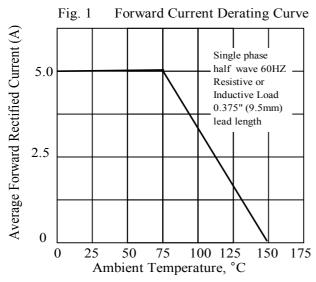
Characteristic	Symbol	SK515C	SK520C	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	VRRM VRWM VR	150	200	V
RMS Reverse Voltage	VR(RMS)	105	140	V
Average Rectified Output Current @T _C = 75°C	lo	5.0		Α
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	80		А
Forward Voltage @I _F = 5.0A	VFM	0.92		V
Peak Reverse Current $@T_A = 25^{\circ}C$ At Rated DC Blocking Voltage $@T_A = 100^{\circ}C$	IRM	1.0 5.0		mA
Typical Junction Capacitance (Note 1)	Cj	250		pF
Operating and Storage Temperature Range	Tj, Tstg	-65 to +150		°C

Note: 1. Measured at 1.0 MHz and applied reverse voltage of 4.0V D.C.

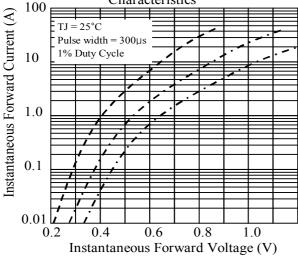


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RATINGS AND CHARACTERISTIC CURVES



Typical Instantaneous Forward Fig 3. Characteristics



typical transient thermal

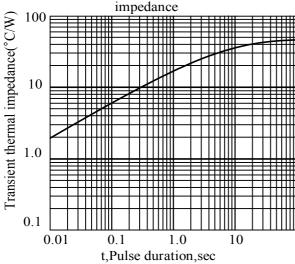


Fig. 2 Maximum Non-repetitive Peak

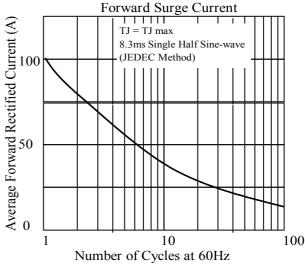


Fig 4. Typical Reverse Characteristics

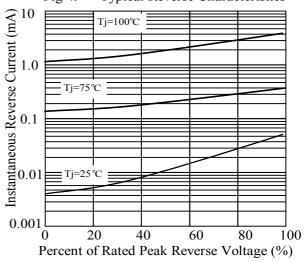


Fig 6. Typical Junction Capacitance

