

SURFACE MOUNT SCHOTTKY BARRIER RECTIFIERS

REVERSE VOLTAGE - 20 to 100 Volts FORWARD CURRENT - 5.0 Amperes

FEATURES

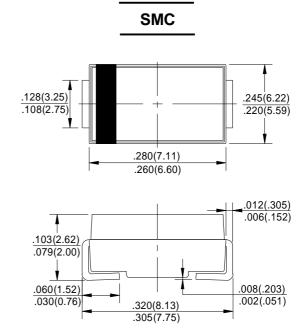
- Metal-Semiconductor junction with gard ring
- Epitaxial construction
- Low forward voltage drop
- High current capability
- The plastic material carries UL recognition 94V-0
- For use in low vlotage, high frequency inverters, free wheeling, and polarity protection applications

MECHANICAL DATA

●Case: Molded Plastic

Polarity: Color band denotes cathode

●Weight: 0.007 ounces,0.21 grams



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified.

Single phase, half wave ,60Hz, resistive or inductive load.

For capacitive load, derate current by 20%

CHARACTERISTICS	SYMBOL	SS52	SS53	SS54	SS55	SS56	SS58	SS510	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	20	30	40	50	60	80	100	V
Maximum RMS Voltage	VRMS	14	21	28	35	42	56	70	V
Maximum DC Blocking Voltage	VDC	20	30	40	50	60	80	100	V
Maximum Average Forward Rectified Current 0.375 " (9.5mm) Lead Lengths @TL=95 ℃	I(AV)	5.0							Α
Peak Forward Surage Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load(JEDEC Method)	Iғsм	150							А
Maximum Forward Voltage at 5.0A DC	VF	0.45 0.55 0.6 0.7 0.85				85	V		
Maximum DC Reverse Current @TJ=25℃ at Rated DC Bolcking Voltage @TJ=100℃	lR	1.0 50							mA
Typical Junction Capacitance (Note1)	СJ	500 350						pF	
Typical Thermal Resistance (Note2)	RөJA	15			10				°C/W
Operating Temperature Range	TJ	-55 to +150						$^{\circ}$ C	
Storage Temperature Range	Тѕтс	-55 to +150							$^{\circ}$

NOTES: 1.Measured at 1.0 MHz and applied reverse voltage of 4.0V DC

2. Thermal resistance junction to ambient,



