

SS12 THRU SS16

1.0 AMP. SURFACE MOUNT SCHOTTKY BARRIER RECTIFIERS

Voltage Range 20 to 60 Volts Current 1.0 Amperes

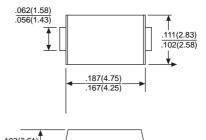
Features

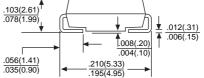
- *For surface mounted application
- *Metal to silicon rectifier, majority carrier conduction
- *Low forward voltage drop
- *Easy pick and place
- *High surge current capability
- *Plastic materal used carriers Underwriters
 - Laboratory Classification 94V-O
- *Epitaxial construction
- *High temperature soldering: 250°C/ 10 seconds at terminals

Mechanical Data

- *Case:Molded plastic
- *Terminals:Solder plated
- *Polarity:Indicated by cathode band
- *Packaging:12mm tape per EIA STD RS-481
- *Weight:0.064 gram

SMA/DO-214AC





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%

Type Number		SS12	SS13	SS14	SS15	SS16	UNITS
Maximum Repetitive Peak Reverse Voltage	VRRM	20	30	40	50	60	V
Maximum RMS Voltage	VRMS	14	21	28	35	42	V
Maximum DC Blocking Voltage	VDC	20	30	40	50	60	V
Maximum Average Forward Rectified Current at TL(See Fig.1)	IF(AV)	1.0					А
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	IFSM	40					А
Maximum Instantaneous Forward Voltage (Note 1) @ 1.0A	VF	0.5 0.75				V	
Maximun DC Reverse Current @ TA = 25°C at Rated DC Blocking Voltage @ TA = 100°C	IR	0.5					mA mA
Typical Thermal Resistance	R*JL R*JA	10 5.0 28 88					°C/W
Operating Junction Temperature Range	TJ	-55 to+125					°C
Storage Temperature Range	Tstg	-55 to+150					°C

NOTES: 1. Pulse Test with PW=300 usec,1% Duty Cycle

2.Measured on P.C. Board with 0.2 x 0.2"(5.0 x5.0mm) Copper Pad Areas.

RATING AND CHARACTERISTIC CURVES SS12 THRU SS16



