

SCHOTTKY DIODES

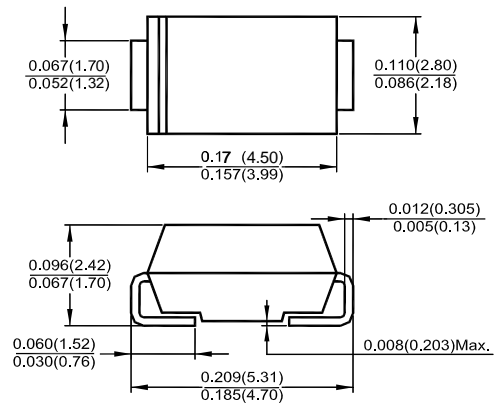
SS22---SS210

FEATURES

- Metal silicon junction, majority carrier conduction
- Low power loss, high efficiency
- The plastic package carries Underwriters Laboratory flammability Classification 94V-0
- High forward surge current capability
- Built-in strain relief, ideal for automated placement

MECHANICAL DATA

- SMA (DO-214AC) molded plastic
- Polarity: Color band denotes cathode end



Dimensions in inches and (millimeters)
DO-214AC (SMA)

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%.

Parameter	Symbol	SS22	SS23	SS24	SS25	SS26	SS28	SS210	Unit
Maximum Repetitive 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	I(AV)	2							A
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load (JEDEC method)	IFSM	50							A
Maximum Instantaneous Forward Voltage at 2 A	VF	0.55		0.75		0.85		V	
Maximum DC Reverse Current at Rated DC Blocking Voltage	IR	0.5							mA
		20		10					
Typical Junction Capacitance ¹⁾	CJ	220		180				pF	
Typical Thermal Resistance ²⁾	R JA	75							°C/W
Operating Junction Temperature Range	TJ	- 65 to + 125			- 65 to + 150			°C	
Storage Temperature Range	TS	- 65 to + 150							°C

1) Measured at 1MHz and applied reverse voltage of 4 V DC.
2) P.C.B mounted with 0.2 X 0.2" (5 X 5 mm) copper pad areas.

SS22--SS210 Typical Characteristics

