

SCHOTTKY DIODES

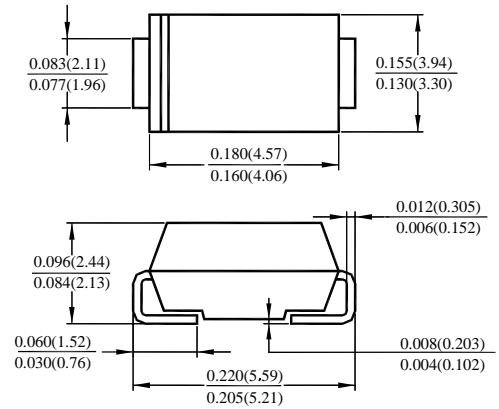
FEATURES

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

MECHANICAL DATA

- Case: DO-214AA (SMB) molded plastic body
- Terminal: Leads solderable per MIL-STD-750, Method 2026
- Polarity: Color band denotes cathode end
- Mounting Position: Any

SS22---SS210



Dimensions in inches and (millimeters)  
DO-214AA (SMB)

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	Symbols	SS22	SS24	SS26	SS28	SS210	Unit
Maximum Repetitive Peak Reverse Voltage	V <sub>RRM</sub>	20	40	60	80	100	V
Maximum RMS Voltage	V <sub>RMS</sub>	14	28	42	56	70	V
Maximum DC Blocking Voltage	V <sub>DC</sub>	20	40	60	80	100	V
Maximum Average Forward Rectified Current	I <sub>F(AV)</sub>	2					A
Peak Forward Surge Current 8.3 ms Half Sine-wave Superimposed on Rated Load (JEDEC method)	I <sub>FSM</sub>	50					A
Maximum Instantaneous Forward Voltage at 2 A	V <sub>F</sub>	0.55	0.7	0.85			V
Maximum DC Reverse Current at Rated DC Blocking Voltage	T <sub>A</sub> = 25 °C	0.5					mA
	T <sub>A</sub> = 100 °C	20	10				
Typical Junction Capacitance <sup>1)</sup>	C <sub>J</sub>	220	180			pF	
Typical Thermal Resistance <sup>2)</sup>	R <sub>JA</sub>	75					°C/W
Operating Junction Temperature Range	T <sub>j</sub>	- 65 to + 125		- 65 to + 150			°C
Storage Temperature Range	T <sub>stg</sub>	- 65 to + 150					°C

SS22---SS210 Typical Characteristics

