

SCHOTTKY DIODES

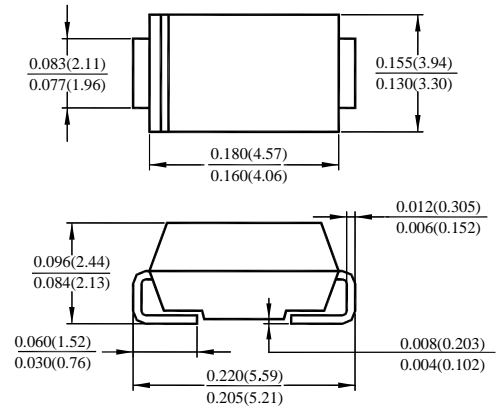
FEATURES

- 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	SS23	SS24	SS26	SS28	SS210	Unit
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	20	30	40	60	80	100	V
Maximum RMS Voltage	V _{RMS}	14	21	28	42	56	70	V
Maximum DC Blocking Voltage	V _{DC}	20	30	40	60	80	100	V
Maximum Average Forward Rectified Current	I _{F(AV)}	2						A
Peak Forward Surge Current 8.3 ms Half Sine-wave Superimposed on Rated Load (JEDEC method)	I _{FSM}	50						A
Maximum Instantaneous Forward Voltage at 2 A	V _F	0.55		0.7		0.85		V
Maximum DC Reverse Current at Rated DC Blocking Voltage	T _A = 25 °C	0.5						mA
	T _A = 100 °C	20		10				
Typical Junction Capacitance ¹⁾	C _J	220			180			pF
Typical Thermal Resistance ²⁾	R _{JA}	75						°C/W
Operating Junction Temperature Range	T _j	- 65 to + 125			- 65 to + 150			°C
Storage Temperature Range	T _{stg}	- 65 to + 150						°C

SS22---SS210 Typical Characteristics

