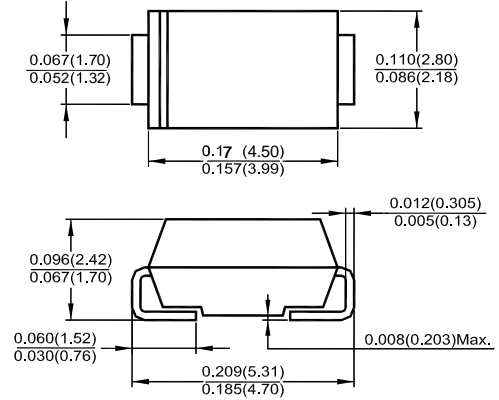


SCHOTTKY DIODES

SX32---SX36

FEATURES

- Plastic package has Underwriters Laboratory Flammability Classification 94V-0
- For surface mounted applications
- Metal silicon junction, majority carrier conduction
- Built-in strain relief, ideal for automated placement
- Low power loss, high efficiency.
- High forward surge current capability



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

MECHANICAL DATA

- SMA (DO-214AC) molded plastic body
- leads solderable per MIL-STD-750, Method 2026
- color band denotes cathode end

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%.

Characteristic	Symbol	SX32	SX33	SX34	SX35	SX36	Unit
Maximum Recurrent 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 (See Fig. 1)	I(AV)	3.0					A
Peak Forward Surge Current 8.3 ms single half sine wave superimposed on rated load (JEDEC Method)	IFSM	80					A
Maximum Instantaneous Forward Voltage at 3.0A (See Note 1)	VF	0.50			0.75		V
Maximum DC Reverse Current at Rated DC Blocking Voltage (See Note 1)	IR	0.5 20					mA
Maximum Thermal Resistance (See Note 2)	ROJL ROJA	10 60					°C/W
Typical Junction Capacitance (See Note 3)	CJ	300					pF
operating and Storage Temperature Range	TJ, TSTG	- 65 to +150					°C

SX32---SX36 Typical Characteristics

