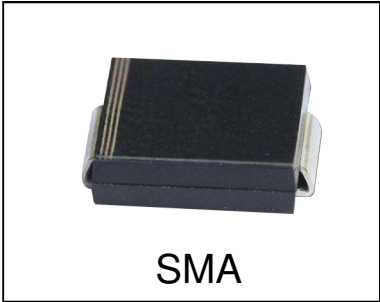


SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER

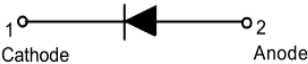
FEATURES

- ◆ The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- ◆ For surface mounted applications
- ◆ Low reverse leakage
- ◆ Built-in strain relief,ideal for automated placement
- ◆ High forward surge current capability
- ◆ High temperature soldering guaranteed: 250°C/10 seconds at terminals



MECHANICAL DATA

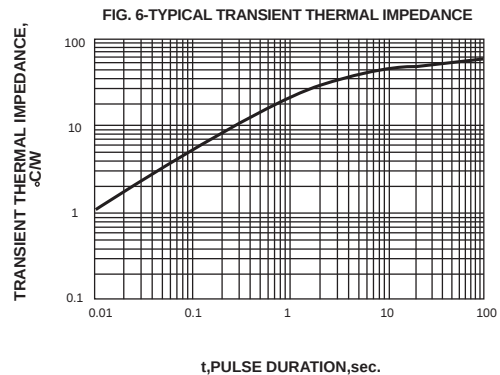
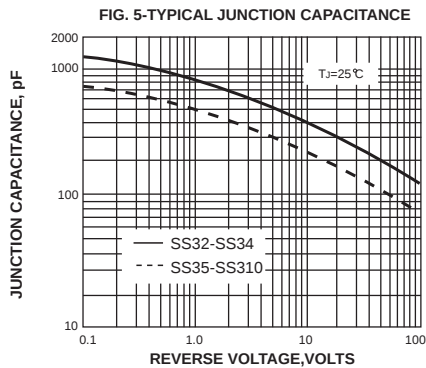
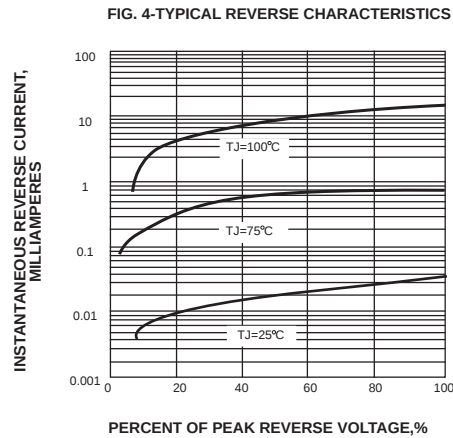
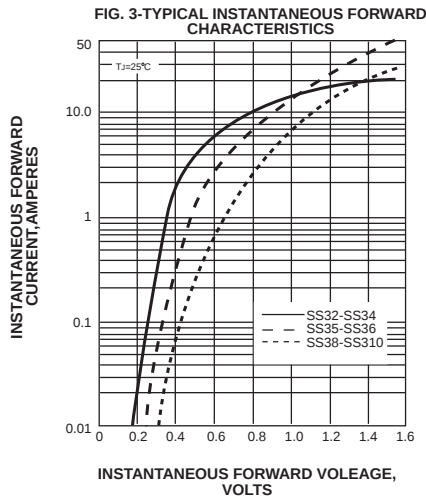
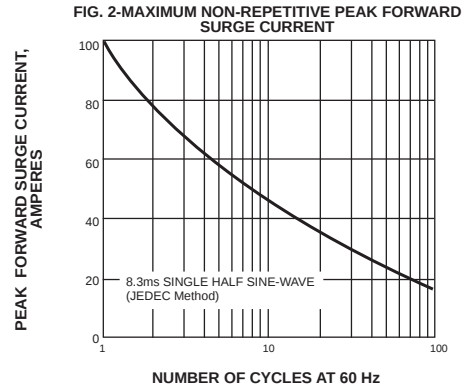
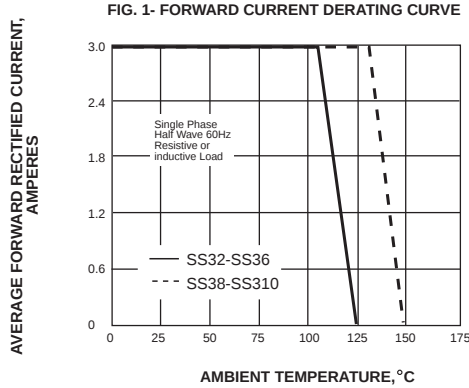
Case: JEDEC DO-214AC molded plastic body
Terminals: leads solderable per MIL-STD-750, Method 2026
Polarity: Color band denotes cathode end
Mounting Position: Any
Weight:0.002 ounce, 0.07 grams



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS									
Ratings at 25°C ambient temperature unless otherwise specified. Single phase half-wave 60Hz,resistive or inductive load,for capacitive load current derate by 20%.									
Catalog Number	SYMBOLS	20T	30T	40T	50T	60T	80T	100T	UNITS
Maximum repetitive peak reverse voltage	V _{RRM}	20	30	40	50	60	80	100	VOLTS
Maximum RMS voltage	V _{RMS}	14	21	28	35	42	56	70	VOLTS
Maximum DC blocking voltage	V _{DC}	20	30	40	50	60	80	100	VOLTS
Maximum average forward rectified current at T _L (see fig.1)	I _(AV)	3.0							Amps
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	I _{FSM}	100.0							Amps
Maximum instantaneous forward voltage at 3.0A	V _F	0.55			0.70		0.85		Volts
Maximum DC reverse current T _A =25°C at rated DC blocking voltage T _A =100°C	I _R	0.5							mA
		20					10		
Typical junction capacitance (NOTE 1)	C _J	500			300				pF
Typical thermal resistance (NOTE 2)	R _{θJA}	55.0							°C/W
Operating junction temperature range	T _J	-50 to +125					-50 to +150		°C
Storage temperature range	T _{STG}	-50 to +150							°C

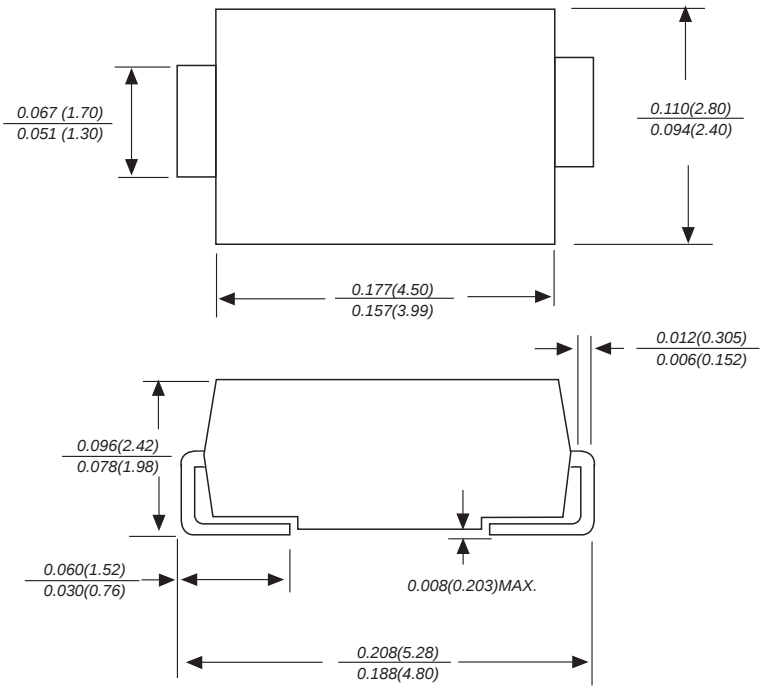
Note:1.Measured at 1MHz and applied reverse voltage of 4.0V D.C.
2.P.C.B. mounted with 0.2x0.2”(5.0x5.0mm) copper pad areas

SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER



SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER

DO-214AC/SMA



Dimensions in inches and (millimeters)

SMA footprint dimensions in mm (inches)

