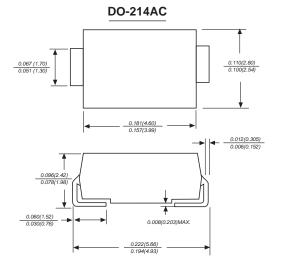
SS32 THRU SS310

SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER

Reverse Voltage - 20 to 100 Volts Forward Current - 3.0 Amperes



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: Solder plated, solderable per MIL-STD-750,

Method 2026

Polarity: Color band denotes cathode end

Mounting Position: Any Weight: 0.070 grams

Dimensions in inches and (millimeters)

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%.

	SYMBOLS	SS32	SS33	SS34	SS35	SS36	SS38	SS310	UNITS
Maximum repetitive peak reverse voltage	Vrrm	20	30	40	50	60	80	100	VOLTS
Maximum RMS voltage	VRMS	14	21	28	35	42	56	70	VOLTS
Maximum DC blocking voltage	VDC	20	30	40	50	60	80	100	VOLTS
Maximum average forward rectified current	I(AV)	3.0							Amps
at TL(see fig.1)	I(AV)								
Peak forward surge current									
8.3ms single half sine-wave superimposed on	IFSM	100.0						Amps	
rated load (JEDEC Method)									
Maximum instantaneous forward voltage at 3.0A	VF		0.55		0.70 0.8		5	Volts	
Maximum DC reverse current Ta=25℃	0.5						mA		
at rated DC blocking voltage Ta=100℃	l R		20				10		111/5
Typical junction capacitance (NOTE 1)	Cı		500		300		pF		
Typical thermal resistance (NOTE 2)	Reja	55.0						°C/W	
Operating junction temperature range	TJ,	-65 to +125			-65 t	o +150	°C		
Storage temperature range	Тѕтс	-65 to +150					°C		

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



RATINGS AND CHARACTERISTIC CURVES SS32 THRU SS310

