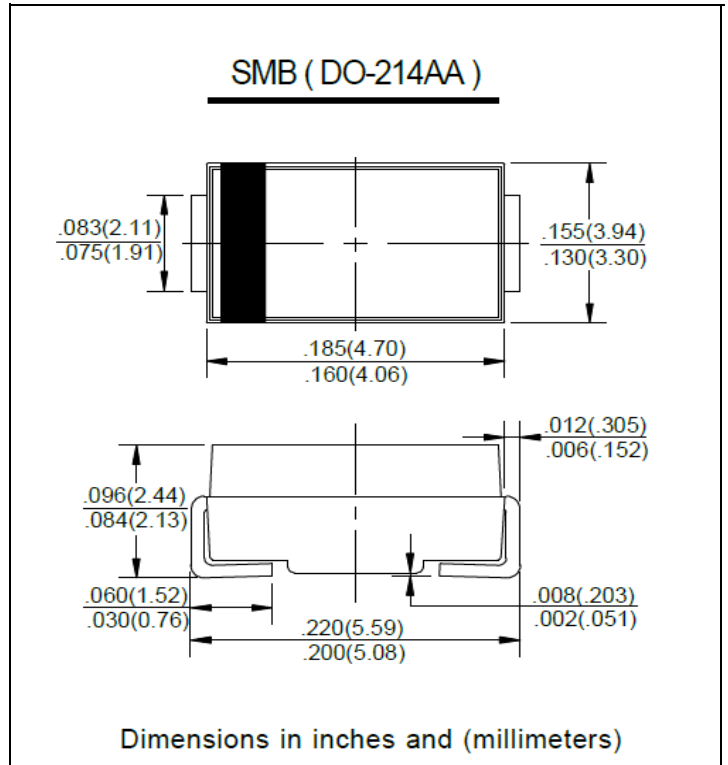


FEATURES

- For surface mounted applications
- Metal-Semiconductor junction with guardring
- Epitaxial construction
- Low forward voltage drop
- High current capability
- For sue in low voltage,high frequency inverters free wheeling,and polarity protection applications
- The plastic material carries U/L recognition 94V-O

MECHANICAL DATA

- Case: JEDEC DO - 214Ab. molded plastic
- Polarity: Color band denotes cathode
- Weight: 0.009 ounce.0.25 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. derate current by 20%

	SYMBOLS	SS32	SS34	SS36	SS38	SS310	SS315	SS320	UNITS
	MARKING	SS32	SS34	SS36	SS38	SS310	SS315	SS320	
Maximum repetitive peak reverse voltage	V_{RRM}	20	40	60	80	100	150	200	VOLTS
Maximum RMS voltage	V_{RMS}	14	21	28	56	70	105	150	VOLTS
Maximum DC blocking voltage	V_{DC}	20	40	60	80	100	150	200	VOLTS
Maximum average forward rectified current at $T_L=110^{\circ}C$	$I_{(AV)}$	3.0							Amp
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	I_{FSM}	80.0							Amps
Maximum instantaneous forward voltage at 3.0A	V_F	0.55	0.70	0.85			0.95	Volts	
Maximum DC reverse current $T_A=25^{\circ}C$ at rated DC blocking voltage $T_A=100^{\circ}C$	I_R	0.5					0.1	mA	
		20.0			10.0	2.0			
Typical thermal resistance (NOTE 1)	$R_{\theta JA}$	55.0							C/W
Operating junction and storage temperature range	T_J, T_{STG}	-55 to +150							$^{\circ}C$

Note: 1.P.C.B. mounted with 8.0x8.0mm copper pad areas

