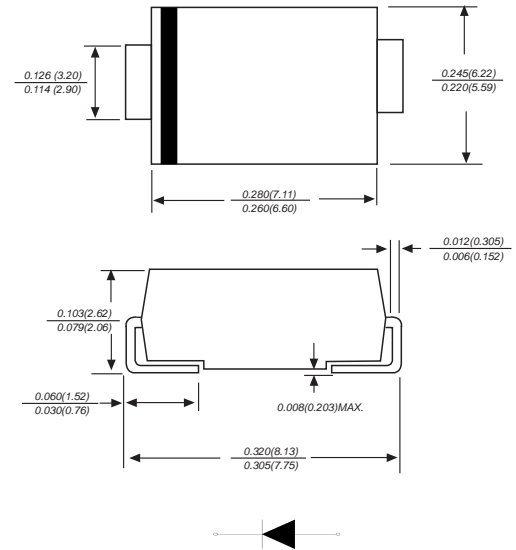




Features

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

DO-214AB/SMC



Dimensions in inches and (millimeters)

Mechanical Data

- **Case** : Molded plastic body
- **Terminals** : Solder plated, solderable per MIL-STD-750,Method 2026
- **Polarity** : Polarity symbol marking on body
- **Mounting Position** : Any
- **Weight** : 0.003 ounce, 0.092 grams

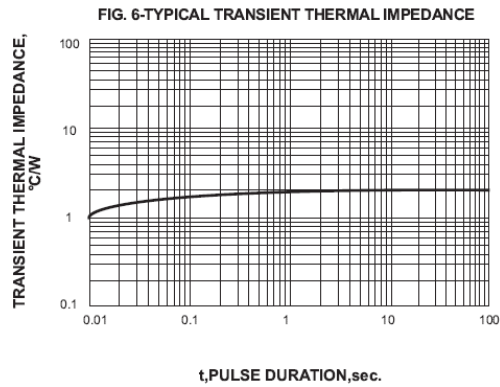
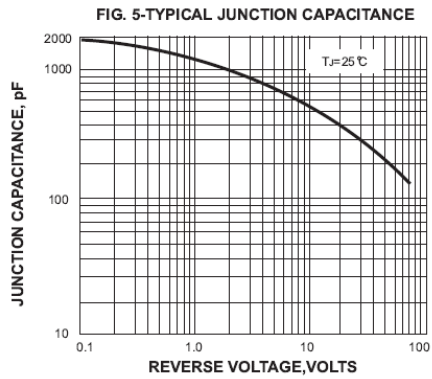
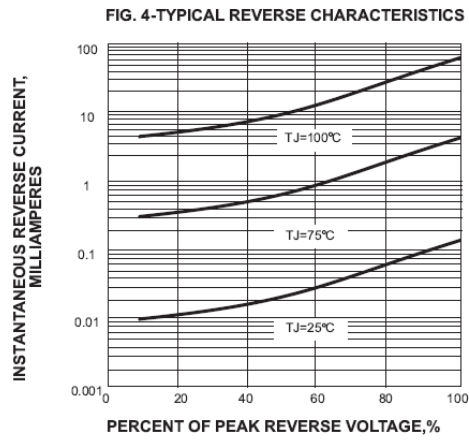
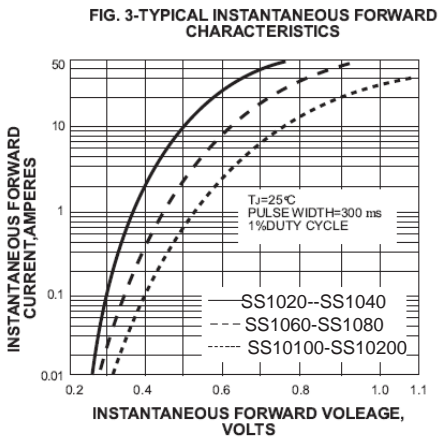
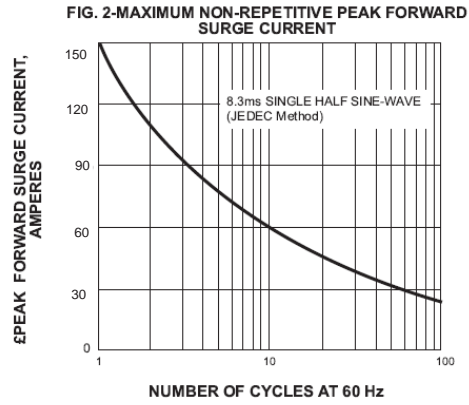
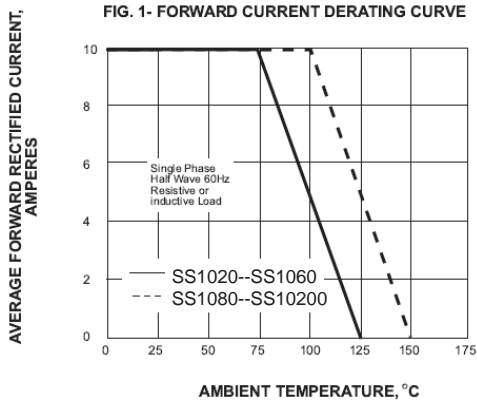
Maximum Ratings And Electrical Characteristics

- 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%.

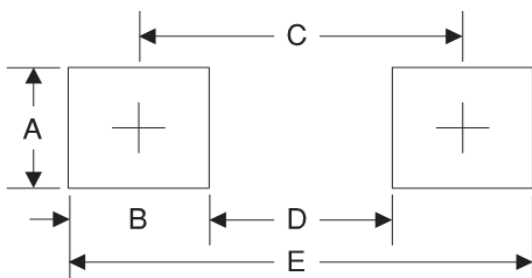
Parameter	SYMBOLS	SS1020	SS1040	SS1060	SS1080	SS10100	SS10150	SS10200	UNITS
Maximum repetitive peak reverse voltage	V _{RRM}	20	40	60	80	100	150	200	V
Maximum RMS voltage	V _{RMS}	14	28	42	56	70	105	140	V
Maximum DC blocking voltage	V _{DC}	20	40	60	80	100	150	200	V
Maximum average forward rectified current at T _L =100°C	I _(AV)	10.0							A
Peak forward surge current, 8.3ms single half sine-wave superimposed on rated load	I _{FSM}	150.0							A
Maximum instantaneous forward voltage at 10.0A	V _F	0.55	0.70	0.85	0.95				V
Maximum DC reverse current at rated DC blocking voltage T _A =25°C T _A =125°C	I _R	0.5 50			0.05 10			mA	
Typical thermal resistance	R _{qJA}	50.0							°C/W
Operating junction temperature range	T _J	-55 to +150			-55 to +175				°C
Storage temperature range	T _{STG}	-55 to +175							°C



Ratings And Characteristic Curves



Suggested Pad Layout



Symbol	Unit (mm)	Unit (inch)
A	3.30	0.130
B	2.50	0.098
C	6.80	0.268
D	4.40	0.173
E	9.40	0.370