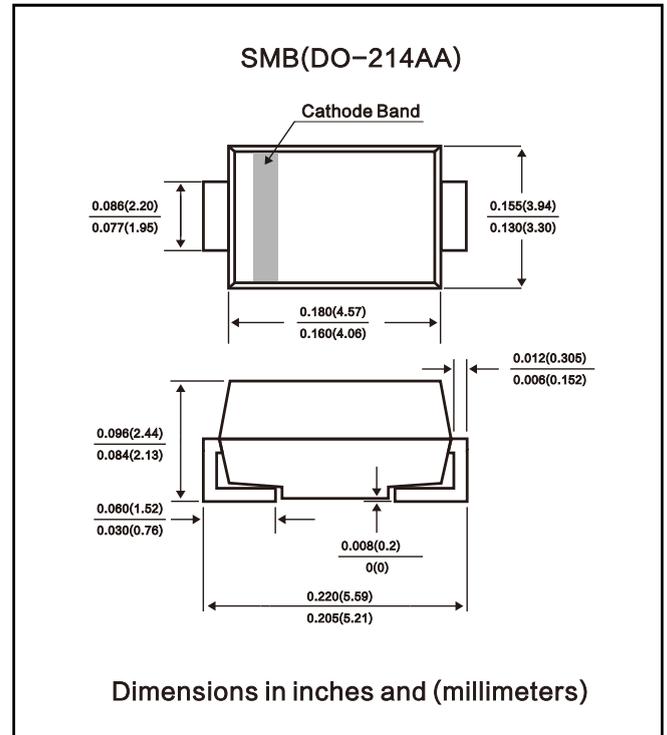


FEATURES

- * Ideal for surface mount applications
- * Easy pick and place
- * Built-in strain relief
- * Low forward voltage drop

MECHANICAL DATA

- * Case: Molded plastic
- * Epoxy: UL 94V-0 rate flame retardant
- * Metallurgically bonded construction
- * Polarity: Color band denotes cathode end
- * Mounting position: Any
- * Weight: 0.063 grams
- * Both normal and Pb free products are available:
- * Normal: 80~95%Sn, 5~20%Pb
- * Pb free: 99Sn above can meet RoHS environmental substance directive request



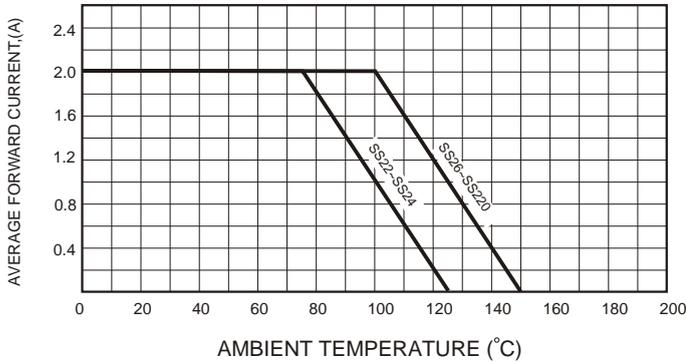
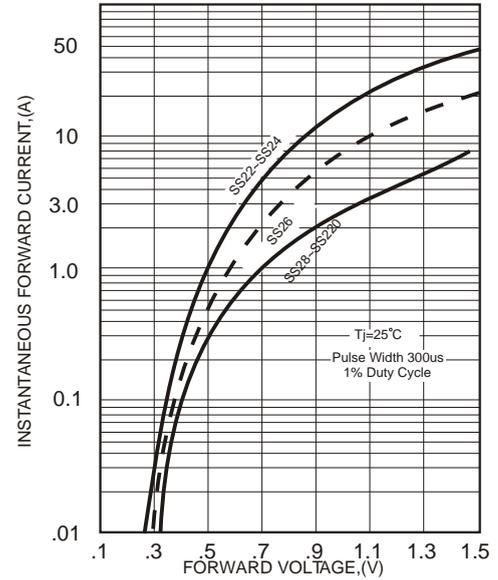
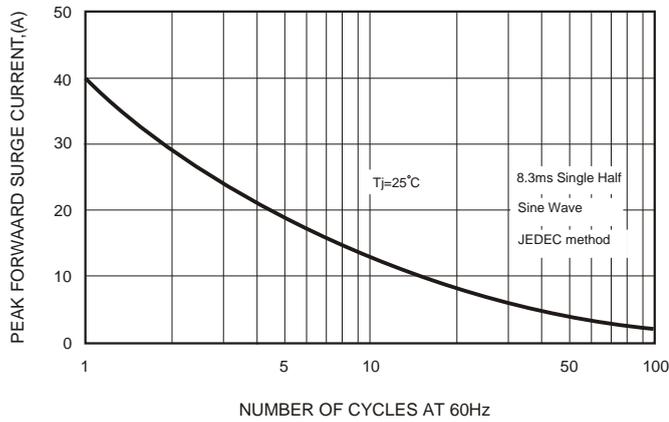
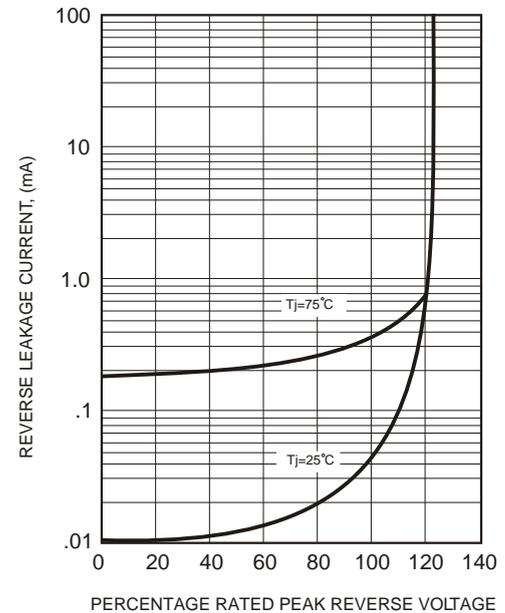
MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating 25°C ambient temperature unless otherwise specified.
 Single phase half wave, 60Hz, resistive or inductive load.
 For capacitive load, derate current by 20%.

TYPE NUMBER	SS22B	SS23B	SS24B	SS26B	SS28B	SS210B	SS215B	SS220B	UNITS	
Maximum Recurrent Peak Reverse Voltage	20	30	40	60	80	100	150	200	V	
Maximum RMS Voltage	14	21	28	42	56	70	105	140	V	
Maximum DC Blocking Voltage	20	30	40	60	80	100	150	200	V	
Maximum Average Forward Rectified Current See Fig.1	2.0								A	
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	50								A	
Maximum Instantaneous Forward Voltage at 2.0A	0.55		0.70		0.85				V	
Maximum DC Reverse Current at Rated DC Blocking Voltage	Ta=25°C				0.5				mA	
	Ta=100°C				20				mA	
Typical Junction Capacitance (Note1)	170								pF	
Typical Thermal Resistance R _{JA} (Note 2)	70								°C/W	
Operating Temperature Range T _J	-65 — +125			-65 — +150						°C
Storage Temperature Range T _{stg}	-65 — +150								°C	

NOTES:

1. Measured at 1MHz and applied reverse voltage of 4.0V D.C.
2. Thermal Resistance Junction to Ambient.

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

FIG.2-TYPICAL FORWARD CHARACTERISTICS

FIG.3-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

FIG.5 - TYPICAL REVERSE CHARACTERISTICS

FIG.4-TYPICAL JUNCTION CAPACITANCE
