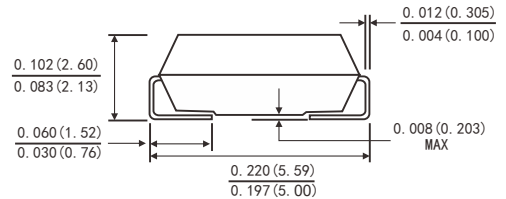
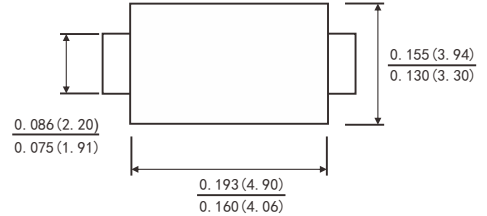


Features

- Plastic package has Underwriters Laboratory Flammability Classification 94V-0
- Construction utilizes void-free molded plastic technique
- For surface mounted applications
- Built-in strain relief, ideal for automated placement
- High temperature soldering guaranteed:260°C/10 seconds at terminals
- Component in accordance to RoHS 2015/863/EU



SMB(DO-214AA)



Dimensions in inches and (millimeters)

Mechanical Data

- Case: JEDEC SMB(DO-214AA) molded plastic
- Terminals: Solder plated, solderable per MIL-STD-750, Method 2026
- Polarity: Color band denotes cathode end

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 by 20%.)

Parameter		Symbols	S313B	S316B	S318B	S320B	Units
Maximum Recurrent Peak Reverse Voltage		VRRM	1300	1600	1800	2000	Volts
Maximum RMS Voltage		VRMS	910	1120	1260	1400	Volts
Maximum DC Blocking Voltage		VDC	1300	1600	1800	2000	Volts
Maximum average Forward Rectified Current		I(AV)	3.0				Amp
Peak Forward Surge Current (8.3ms half sine-wave superimposed on rated load (JEDEC method)		IFSM	100				Amps
Maximum Instantaneous Forward Voltage at 3.0 A		VF	1.2				Volts
Maximum Reverse current at rated DC Blocking Voltage	T _A =25°C	IR	5				μA
	T _A =125°C		100				
Typical Thermal resistance		RθJA	95				°C/W
		RθJL	20				
Junction Temperature		TJ	-55 to+150				°C
Storage temperature		TSTG	-55 to+150				°C

Fig.1-Forward Current Derating Curve

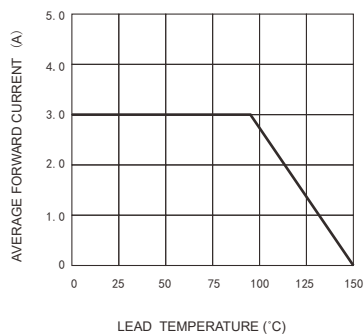


Fig.2-Maximum Non-repetitive Peak Forward Surge Current

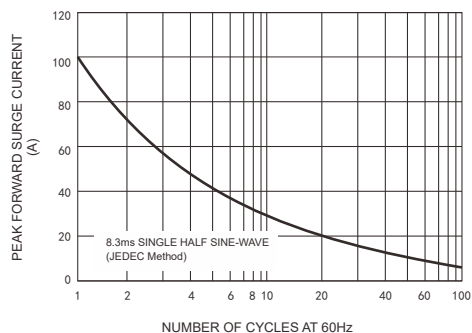


Fig.3-Typical Instantaneous Forward Characteristics

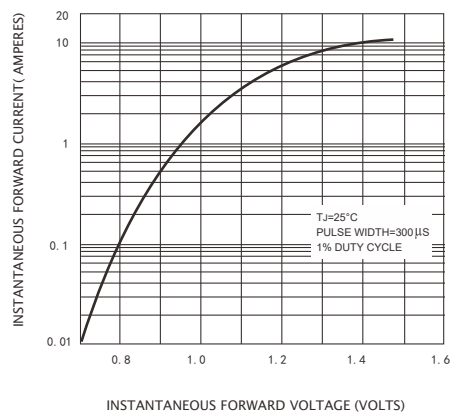
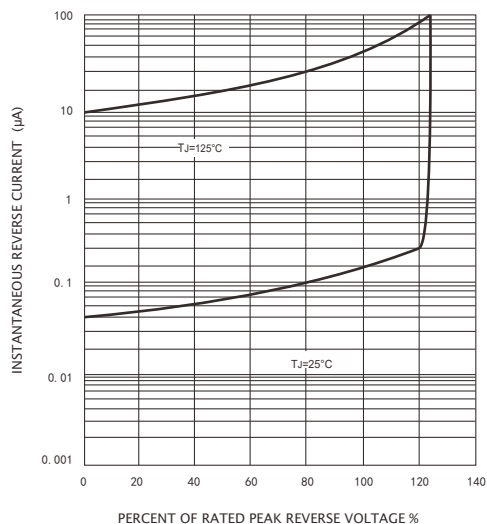


Fig.4-Typical Reverse Characteristics



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