

SMD Schottky Barrier Rectifier

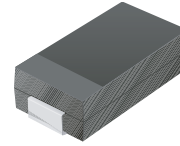
SS32-G THRU SS310-G

Forward Current: 3.0 Amp

Reverse Voltage: 20 ~ 100 Volts

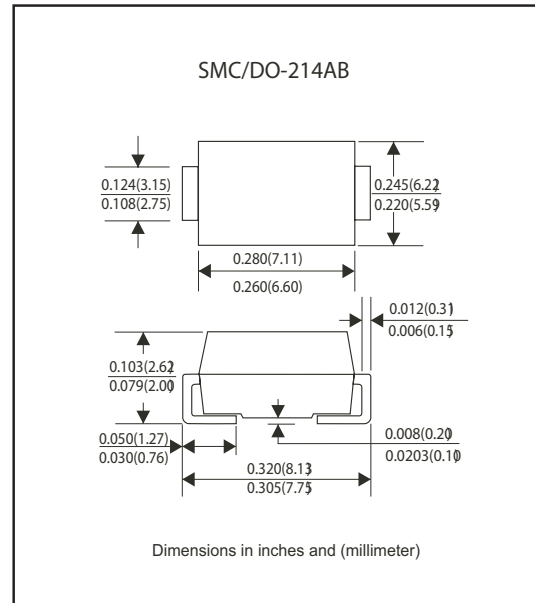
Features

- Ideal for surface mount applications
- Easy pick and place
- Plastic packages has Underwriters lab. Flammability classification 94V-0
- Built-in strain relief
- Low forward voltage drop



Mechanical Data

- Case: JEDEC DO-214AB molded plastic
- Epoxy: UL 94-0 rate flame retardant
- Terminal: Solderable per MIL-STD-750 method 2026
- Polarity: Color band denotes cathode end
- Mounting position: Any
- Approx. Weight: 0.21 gram



Maximum Rating and Electrical Characteristics

Parameter	Symbol	SS32-G	SS34-G	SS36-G	SS310-G	Unit
Max.Repetitive Peak Reverse Voltage	V _{RRM}	20	40	60	100	V
Max. DC Blocking Voltage	V _{DC}	20	40	60	100	V
Max. RMS Voltage	V _{RMS}	14	28	42	70	V
Peak Surge Forward Current 8.3ms single half sine-wave superimposed on rateload (JEDEC method)	I _{FSM}	80				A
Max. Average Forward Current	I _O	3.0				A
Max. Instantaneous Forward Current at 2.0 A	V _F	0.50		0.75	0.85	V
Max. DC Reverse Current at Rated DC Blocking Voltage Ta=25°C Ta=100°C	I _R	0.5				mA
		20			10	
Max. Thermal Resistance (Note 1)	R _{θJA} R _{θJL}	50 10				°C/W
Operating Junction temperature	T _j	- 50 to +125				°C
Storage Temperature	T _{STG}	- 65 to +150				°C

“-G” suffix designates RoHS compliant Version

Rating and Characteristic Curves (SS32-G Thru SS310-G)

Fig. 1 - Reverse Characteristics

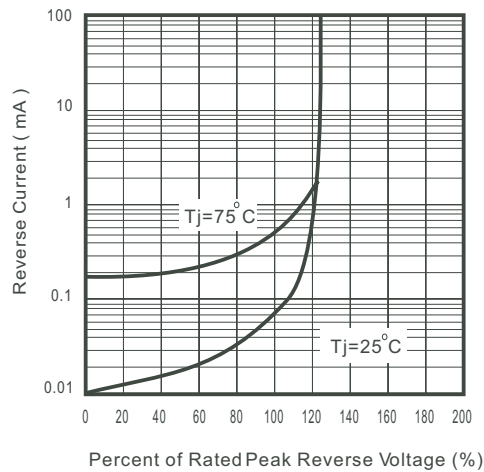


Fig.2 - Forward Characteristics

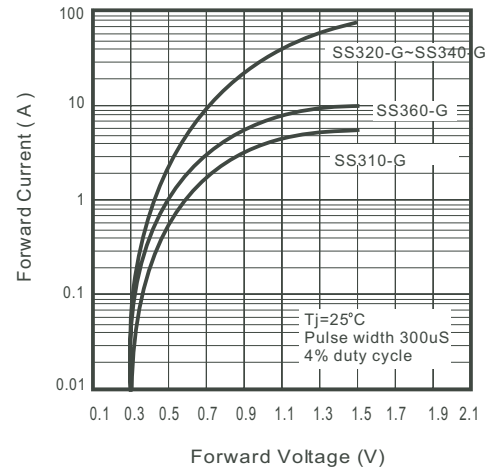


Fig. 3 - Junction Capacitance

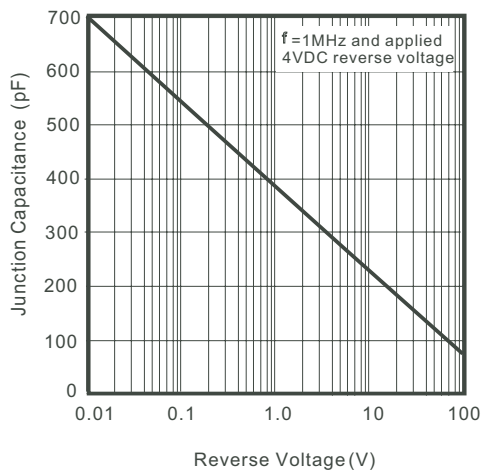


Fig. 4 - Current Derating Curve

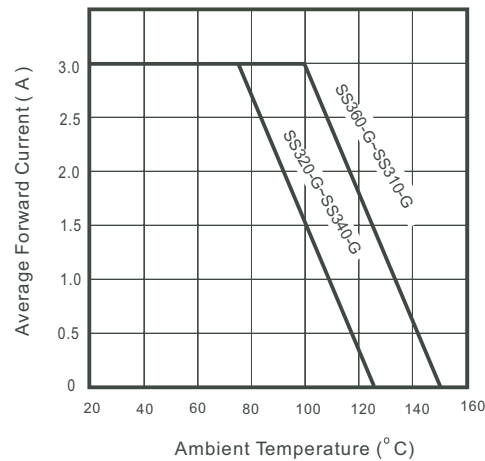


Fig. 5 - Non Repetitive Forward Surge Current

