



Features

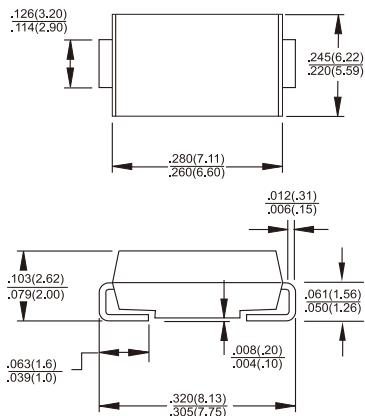
- ◊ UL Recognized File # E-326243
- ◊ For surface mounted application
- ◊ Metal silicon junction, majority carrier conduction
- ◊ Low forward voltage drop
- ◊ Easy pick and place
- ◊ High surge current capability
- ◊ Plastic material used carries Underwriters Laboratory Classification 94V-0
- ◊ Epitaxial construction
- ◊ High temperature soldering: 260°C / 10 seconds at terminals
- ◊ Green compound with suffix "G" on packing code & prefix "G" on datecode.

Mechanical Data

- ◊ Cases: Molded plastic
- ◊ Terminals: Matte tin plating
- ◊ Polarity: Indicated by cathode band
- ◊ Packaging: 16mm tape per EIA STD RS-481
- ◊ Weight: 0.21grams

SSL32 - SSL34

3.0 AMPS. Surface Mount
Low V_F Schottky Barrier Rectifiers
SMC/DO-214AB



Dimensions in inches and (millimeters)

Marking Diagram



SL3X = Specific Device Code
 G = Green Compound
 Y = Year
 M = Work Month

Maximum Ratings and Electrical Characteristics

Rating at 25°C ambient temperature unless otherwise specified.

Single phase, half wave, 60 Hz, resistive or inductive load.

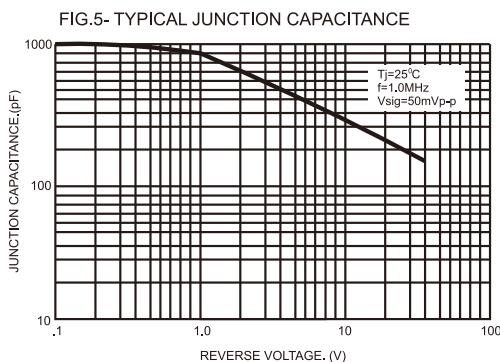
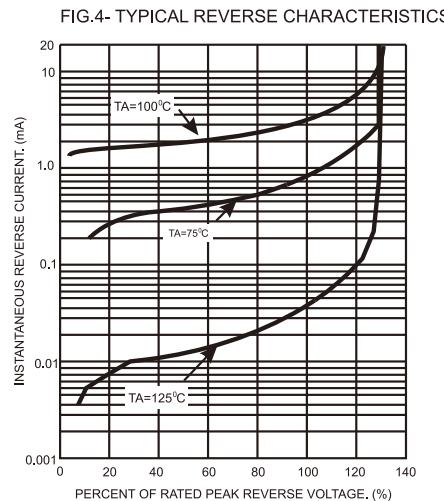
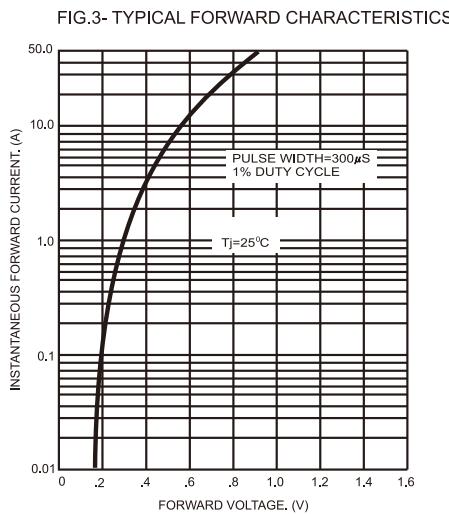
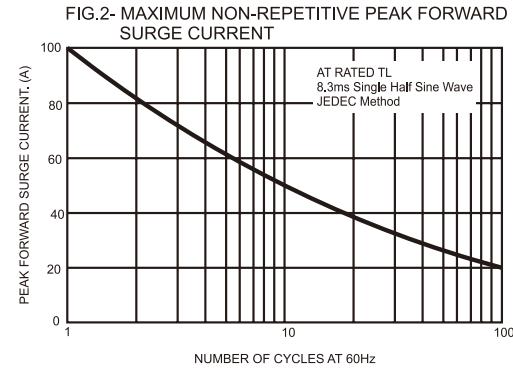
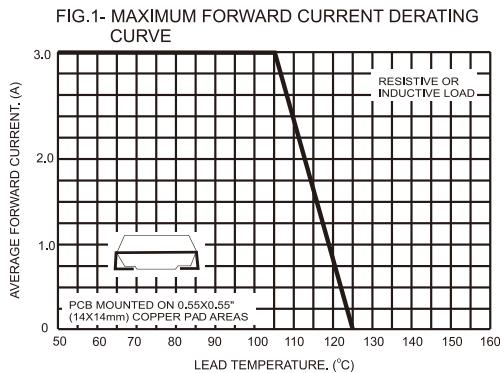
For capacitive load, derate current by 20%

Type Number	Symbol	SSL32	SSL33	SSL34	Units
Maximum Recurrent Peak Reverse Voltage	VR _{RM}	20	30	40	V
Maximum RMS Voltage	VR _M S	14	21	28	V
Maximum DC Blocking Voltage	V _{DC}	20	30	40	V
Maximum Average Forward Rectified Current See Fig. 1	I _{F(AV)}		3.0		A
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I _{FSM}		100		A
Maximum Instantaneous Forward Voltage @3.0A	V _F		0.41		V
Maximum DC Reverse Current @ T _A = 25°C at Rated DC Blocking Voltage @ T _A = 100°C (Note 1)	IR	0.2 50	0.5 100		mA mA
Maximum Thermal Resistance (Note 2)	R _θ JL R _θ JA	17 55			°C / W
Marking Code		SL32	SL33	SL34	
Operating Temperature Range	T _J		-55 to +125		°C
Storage Temperature Range	T _{STG}		-55 to + 150		°C

Notes: 1. Pulse Test with PW=300 usec, 1% Duty Cycle.

2. Measured on P.C. Board with 0.6 x 0.6"(16.0 x 16.0mm) Copper Pad Areas.

RATINGS AND CHARACTERISTIC CURVES (SSL32 THRU SSL34)



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