

SS32PL~SS310PL

SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER

VOLTAGE 20 to 100 Volt **CURRENT** 3 Ampere

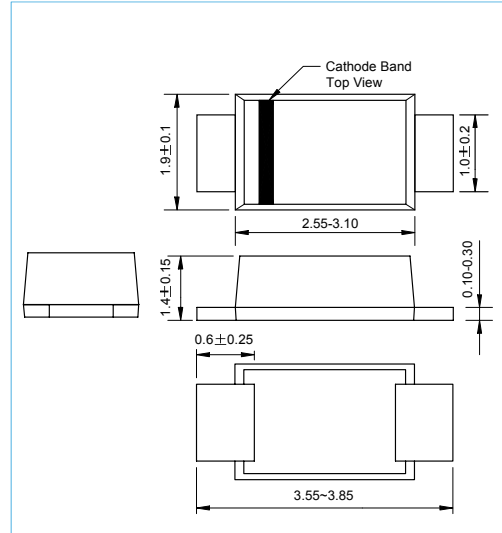
SOD-123FL Unit:mm

FEATURES

- Low power loss, High efficiency
- High surge capacity
- High current capacity, low V_F
- Lead free in compliance with EU RoHS 2.0

MECHANICAL DATA

- Case Material: Molded Plastic.
- UL Flammability Classification Rating 94V-0



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified. Resistive or inductive load.

PARAMETER	SYMBOL	SS32PL	SS34PL	SS36PL	SS38PL	SS310PL	UNITS
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	20	40	60	80	100	V
Maximum RMS Voltage	V_{RMS}	14	28	42	56	70	V
Maximum DC Blocking Voltage	V_{DC}	20	40	60	80	100	V
Maximum Average Forward Current	$I_{F(AV)}$	3					A
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load	I_{FSM}	80					A
Maximum Forward Voltage at 3 A	V_F	0.50		0.65		0.85	V
Maximum DC Reverse Current at Rated DC Blocking Voltage	I_R	0.1					mA
Thermal Resistance	$R_{\theta JL}$	20					°C / W
Operating Junction Temperature Range	T_J	125					°C
Storage Temperature Range	T_{STG}	-55 to +150					°C

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RATING AND CHARACTERISTIC CURVES

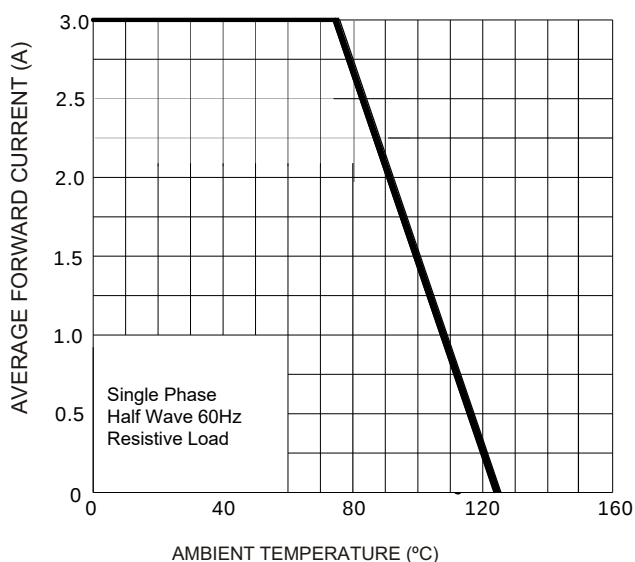


Fig. 1 Forward Current Derating Curve

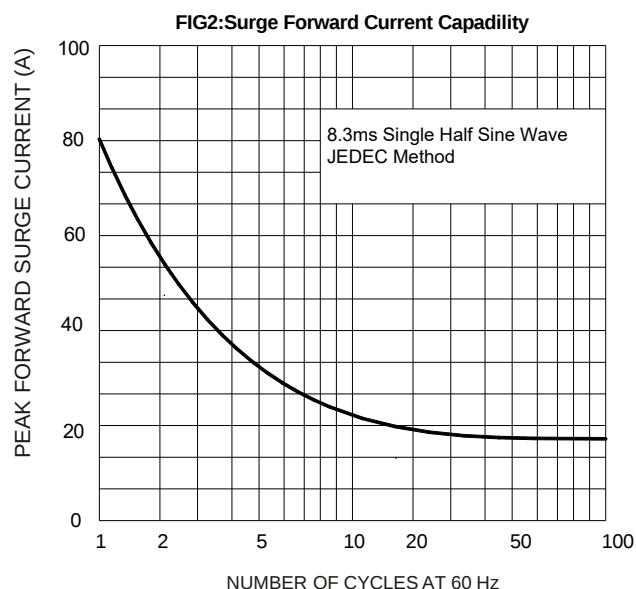


Fig. 2 Surge Current Derating Curve

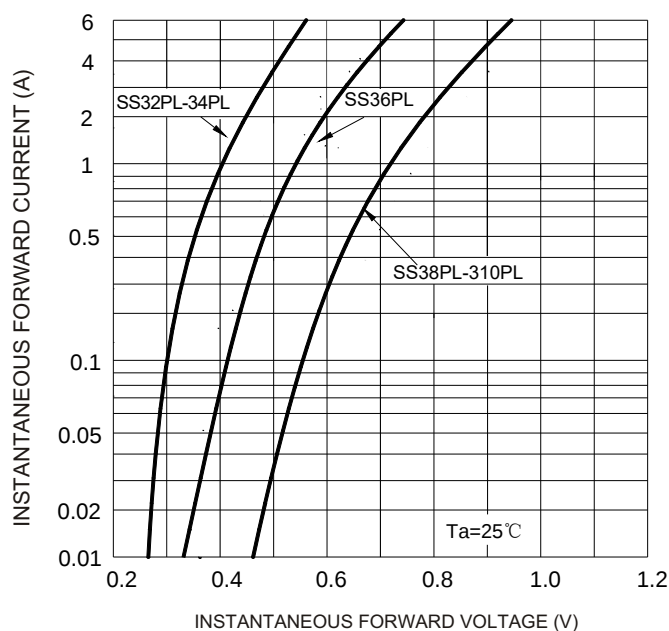


Fig. 3 Typical Forward Characteristics

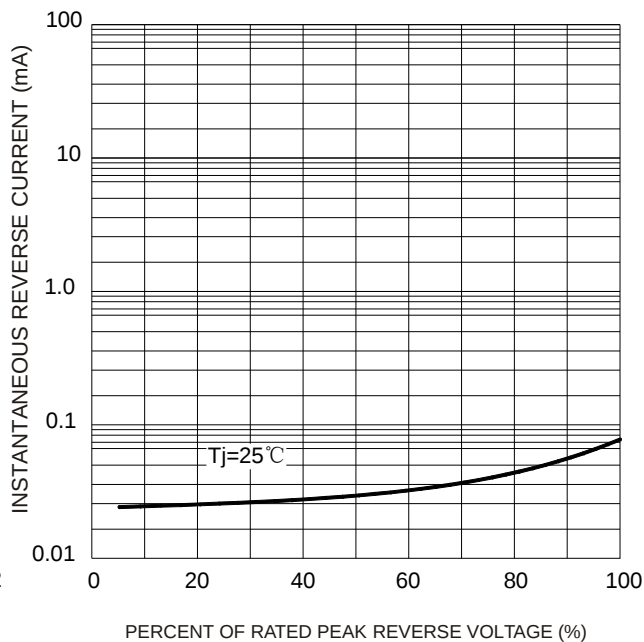


Fig. 4 Typical Reverse Characteristics

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ORDER INFORMATION

- Packing information

Part Number	Case	Reel Size	QUANTITY
SS32PL~SS310PL	SOD-123FL	7 Inch	2500