

SS22PL~SS210PL

SURFACE MOUNT SCHOTTKY BARRIER RECTIFIER

VOLTAGE 20 to 100 Volt **CURRENT** 2 Ampere

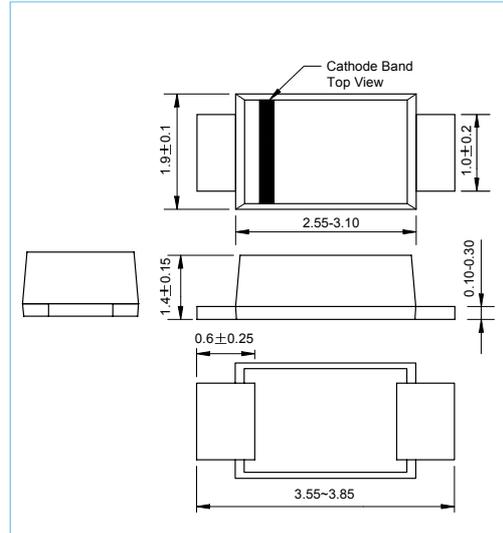
SOD-123FL Unit:mm

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	SS22PL	SS23PL	SS24PL	SS25PL	SS26PL	SS28PL	SS210PL	UNITS
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	20	30	40	50	60	80	100	V
Maximum RMS Voltage	V_{RMS}	14	21	28	35	42	56	70	V
Maximum DC Blocking Voltage	V_{DC}	20	30	40	50	60	80	100	V
Maximum Average Forward Current	$I_{F(AV)}$	2							A
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load	I_{FSM}	50							A
Maximum Forward Voltage at 2 A	V_F	0.50		0.70		0.85		V	
Maximum DC Reverse Current at Rated DC Blocking Voltage $T_J=25^{\circ}C$ $T_J=100^{\circ}C$	I_R	0.5				20		mA	
Thermal Resistance	$R_{\theta JA}$ $R_{\theta JL}$	60				21		$^{\circ}C / W$	
Typical Junction Capacitance	C_J	210				pF			
Operating Junction Temperature Range	T_J	125				$^{\circ}C$			
Storage Temperature Range	T_{STG}	-55 to +150				$^{\circ}C$			

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RATING AND CHARACTERISTIC CURVES

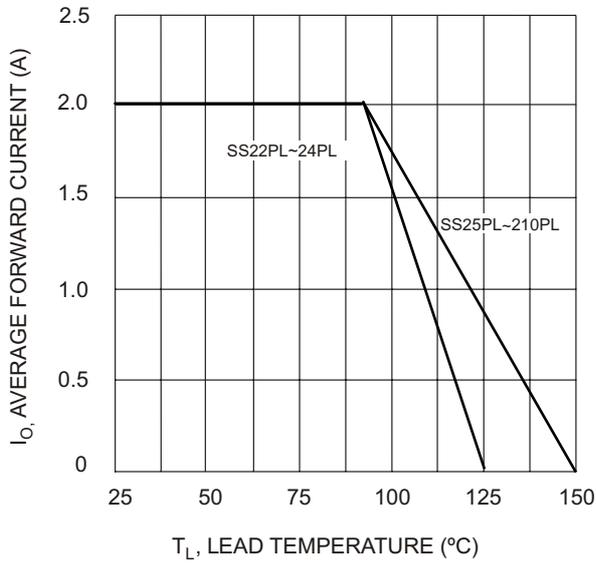


Fig. 1 Forward Current Derating Curve

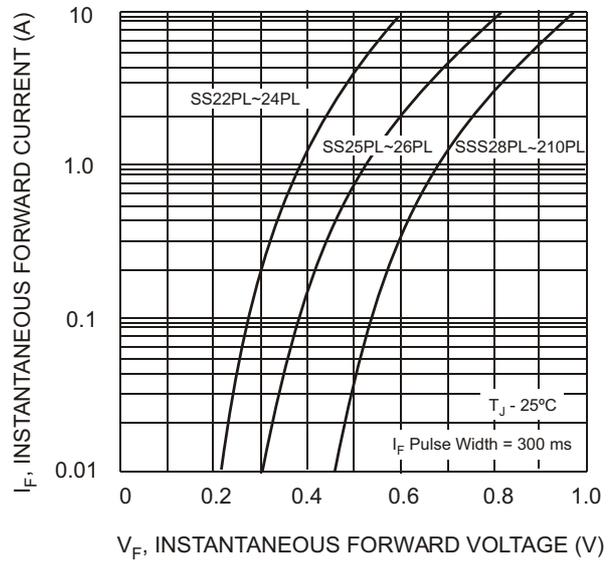


Fig. 2 Typical Forward Characteristics

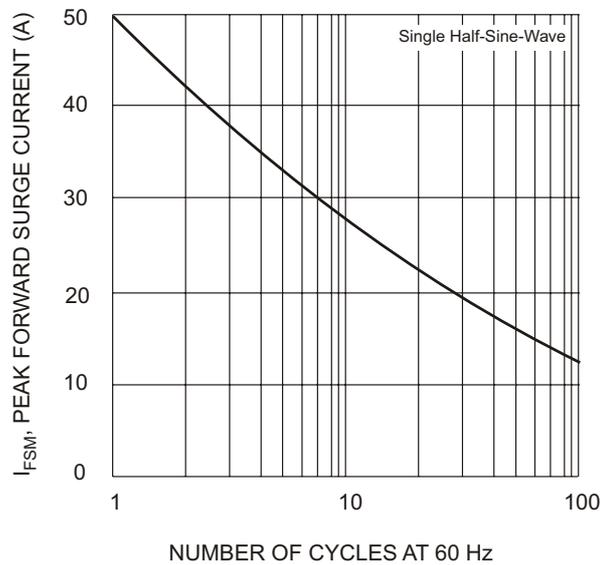


Fig. 3 Max Non-Repetitive Peak Forward Surge Current

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ORDER INFORMATION

- Packing information

Part Number	Case	Reel Size	QUANTITY
SS22PL~SS210PL	SOD-123FL	7 Inch	2500