

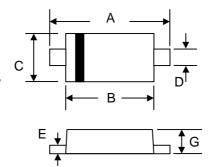
SS1020FL - SS10100FL



SURFACE MOUNT SCHOTTKY BARRIER DIODE

Features

- Low Turn-on Voltage
- Fast Switching
- PN Junction Guard Ring for Transient and ESD Protection
- Designed for Surface Mount Application
- Plastic Material UL Recognition Flammability Classification 94V-O



SOD-123FL						
Dim	Min	Max				
Α	3.50	3.70				
В	2.65	2.95				
С	1.65	1.95				
D	0.75	1.05				
Е	0.10	0.20				
G	0.98	1.08				
Н	0.50	0.80				
All Dimensions in mm						

Mechanical Data

• Case: SOD-123FL, Molded Plastic

 Terminals: Plated Leads Solderable per MIL-STD-202, Method 208

Polarity: Cathode Band

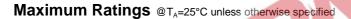
Weight: 0.017 grams (approx.)

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 Marking: SS1020FL G2 SS1030FL G3 SS1040FL G4 SS1060FL G6

SS10100FL G10

Lead Free: For RoHS / Lead Free Version,
Add "-LF" Suffix to Part Number, See Page 4

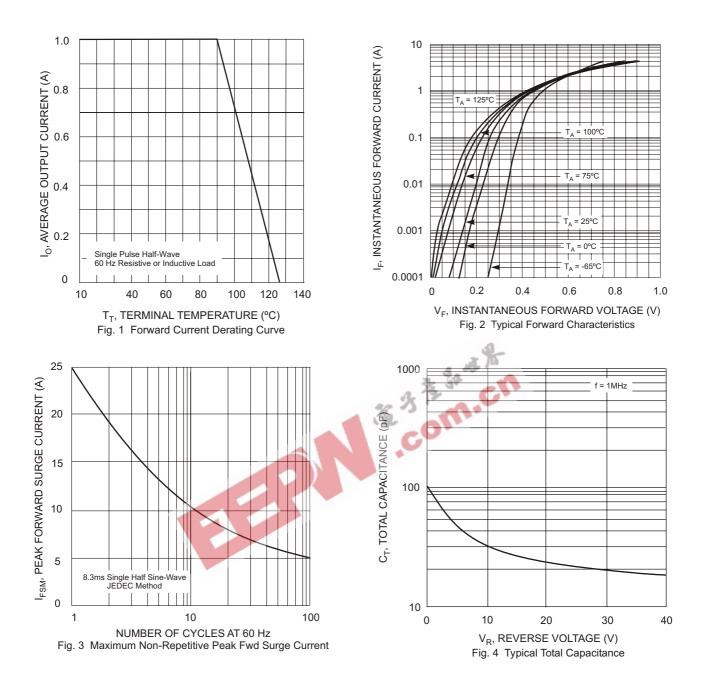


Characteristic	Symbol	SS1020FL	SS1030FL	SS1040FL	SS1060FL	SS10100FL	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	VRRM VRWM VR	20	30	40	60	100	٧
Forward Continuous Current (Note 1)	lF	1.0					Α
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	25					А
Power Dissipation (Note 1)	Pd	450					mW
Operating and Storage Temperature Range	Тј, Тѕтс	-65 to +125					°C

Electrical Characteristics @T_A=25°C unless otherwise specified

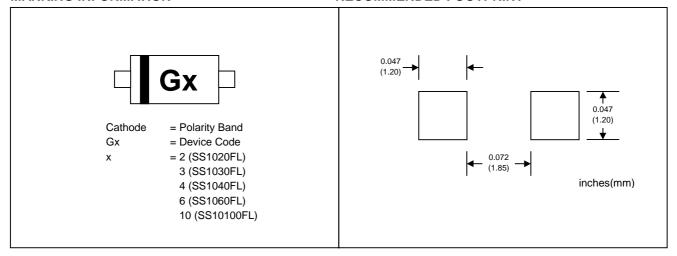
Characteristic		Symbol	SS1020FL	SS1030FL	SS1040FL	SS1060FL	SS10100FL	Unit
Forward Voltage Drop	@IF = 1.0A	VFM	0.45	0.55	0.55	0.70	0.85	V
Peak Reverse Leakage Current @ VRRM		lкм	500					μΑ
Typical Junction Capacitance		Cj	50					pF

Note: 1. Valid provided that terminals are kept at ambient temperature.

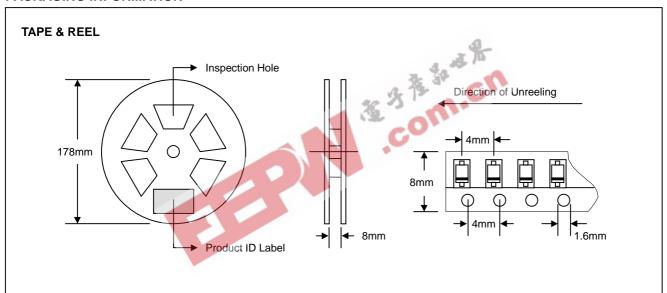


MARKING INFORMATION

RECOMMENDED FOOTPRINT



PACKAGING INFORMATION



Reel Diameter (mm)	Quantity (PCS)	Inner Box Size L x W x H (mm)	Quantity (PCS)	Carton Size L x W x H (mm)	Quantity (PCS)	Approx. Gross Weight (KG)
178	3,000	187 x 187 x 65	15,000	390 x 240 x 420	150,000	10.0

Note: 1. Anti-static plastic reel, white, water clear or blue color. Inspection hole might be varied in different alignment.

2. Components are packed in accordance with EIA standard 481-1 and 481-2.

ORDERING INFORMATION

Product No.	Package Type	Shipping Quantity
SS1020FL-T1	SOD-123FL	3000/Tape & Reel
SS1030FL-T1	SOD-123FL	3000/Tape & Reel
SS1040FL-T1	SOD-123FL	3000/Tape & Reel
SS1060FL-T1	SOD-123FL	3000/Tape & Reel
SS10100FL-T1	SOD-123FL	3000/Tape & Reel

- Shipping quantity given is for minimum packing quantity only. For minimum order quantity, please consult the Sales Department.
- To order RoHS / Lead Free version (with Lead Free finish), add "-LF" suffix to part number above. For example, SS1020FL-T1-LF.



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WARNING: DO NOT USE IN LIFE SUPPORT EQUIPMENT. WTE power semiconductor products are not authorized for use as critical components in life support devices or systems without the express written approval.

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