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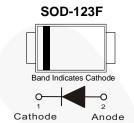
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SS24FL / SS26FL Surface Mount Schottky Barrier Rectifier

Features

- Ultra Thin Profile Maximum Height of 1.08 mm
- UL Flammability 94V-0 Classification
- MSL 1
- RoHS Compliant / Green Mold Compound
- Industrial Device Qualified per AEC-Q101 Standards.
 * see authorized use policy



Ordering Information

Part Number	Top Mark	Package	Packing Method
SS24FL	GP	SOD-123F	Tape and Reel
SS26FL	GQ	SOD-123F	Tape and Reel

Absolute Maximum Ratings

Stresses exceeding the absolute maximum ratings may damage the device. The device may not function or be operable above the recommended operating conditions and stressing the parts to these levels is not recommended. In addition, extended exposure to stresses above the recommended operating conditions may affect device reliability. The absolute maximum ratings are stress ratings only. Values are at $T_A = 25^{\circ}$ C unless otherwise noted.

Symbol	Parameter	Va	Unit		
Symbol	Falalleter	SS24FL	SS26FL	Onit	
V _{RRM}	Peak Reverse Voltage	40	60	V	
V _R	Reverse Voltage	40	60	V	
I _{F(AV)}	Average Rectified Current at $T_A = 75^{\circ}C$ 2.0		.0	Α	
I _{FSM}	Non-Repetitive Peak Forward Surge Current at t = 8.3 ms		50		
ТJ	Operating Junction Temperature Range -5		-55 to +125		
T _{STG}	Storage Temperature Range	-55 to +125		°C	

August 2015

Thermal Characteristics

Values are at $T_A = 25^{\circ}C$ unless otherwise noted.

Symbol	Parameter	Value	Unit
$R_{ extsf{ heta}JA}$	Typical Thermal Resistance, Junction-to-Ambient ⁽¹⁾	60	°C/W

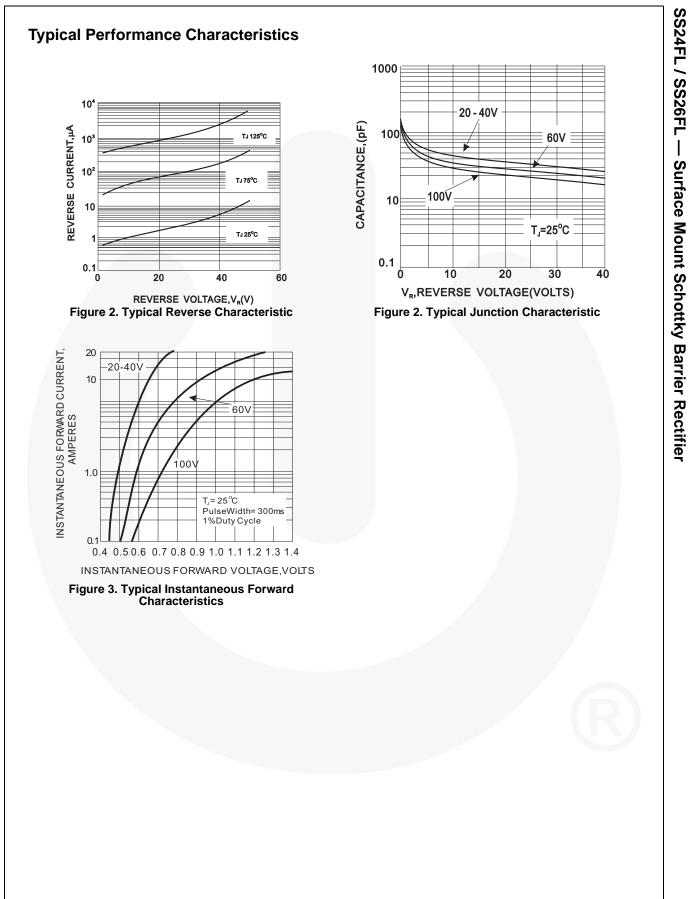
Note:

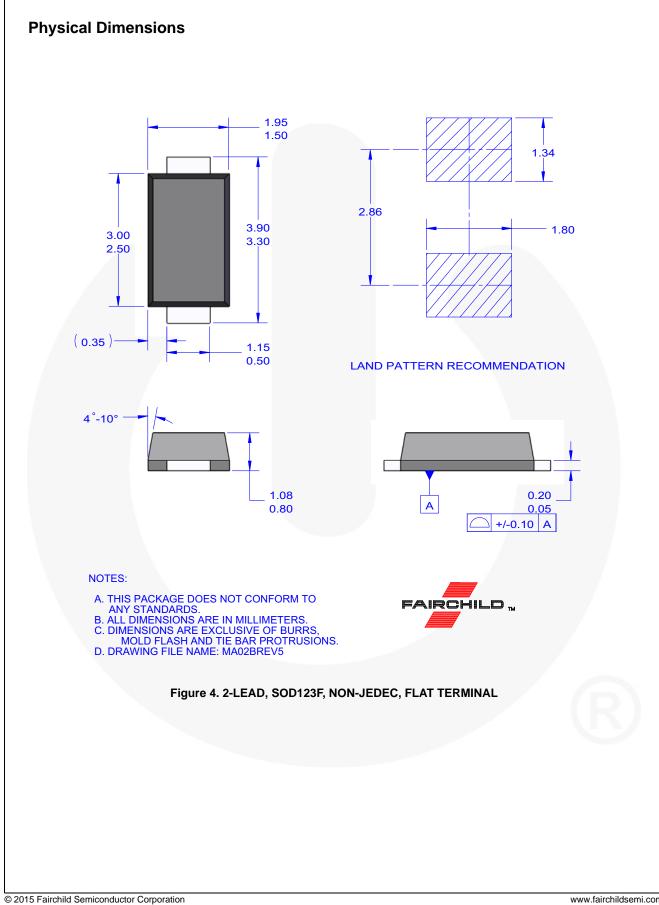
1. Mounted with minimum recommended pad size, PC board FR4.

Electrical Characteristics

Values are at $T_A = 25^{\circ}C$ unless otherwise noted.

Symbol	Parameter	Condition	s	Min.	Тур.	Max.	Unit
BV _R	Reverse Breakdown Voltage	I _R = 500 μA	SS24FL	40			V
			SS26FL	60			
V _F	Forward Voltage	I _F = 2.0 A	SS24FL			0.55	V
			SS26FL			0.70	
I _R F	Reverse Leakage Current	V _R = V _{RRM}	SS24FL			100	μA
			SS26FL			40	
T _{rr}	Reverse Recovery Time	I _F = 0.5 A, I _R = 1 A, I _{rr} = 0.25 A	SS24FL		9.495		ns
			SS26FL		8.260		





SS24FL / SS26FL — Surface Mount Schottky Barrier Rectifier

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No Identification Needed	Full Production	Datasheet contains final specifications. Fairchild Semiconductor reserves the right to make changes at any time without notice to improve the design.
Obsolete	Not In Production	Datasheet contains specifications on a product that is discontinued by Fairchild Semiconductor. The datasheet is for reference information only.

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