

**SURFACE MOUNT SCHOTTKY  
BARRIER RECTIFIERS**

**SS1150FA--SS1200FA**

**FEATURES**

- Metal-Semiconductor junction with guard ring
- Epitaxial construction
- Low forward voltage drop, low switching losses
- High surge capacity
- For use in low voltage, high frequency inverters free wheeling, and polarity protection applications



**MECHANICAL DATA**

- Case: SMAFL molded plastic body
- Terminals: Axial lead ,solderable per MIL-STD750, Method 2026
- Polarity: As marked

**Maximum Ratings**(@TA = 25°C unless otherwise specified)

Characteristic	Symbol	SS1150FA	SS1200FA	UNITS
Marking code		S1CF	S1DF	
Maximum repetitive peak reverse voltage	$V_{RRM}$	150	200	V
Maximum RMS voltage	$V_{RWS}$	105	140	V
Maximum DC blocking voltage	$V_{DC}$	150	200	V
Maximum average forward rectified current	$I_{F(AV)}$	1.0		A
Peak forward surge current 8.3ms single half-sine-wave	$I_{FSM}$	35		A

**Thermal Characteristics**

Characteristic	Symbol	SS1150FA	SS1200FA	UNITS
Operating temperature range	$T_J$	-55----+150		°C
Storage temperature range	$T_{STG}$	-55----+150		°C

**Electrical Characteristics** (@TA = 25°C unless otherwise specified)

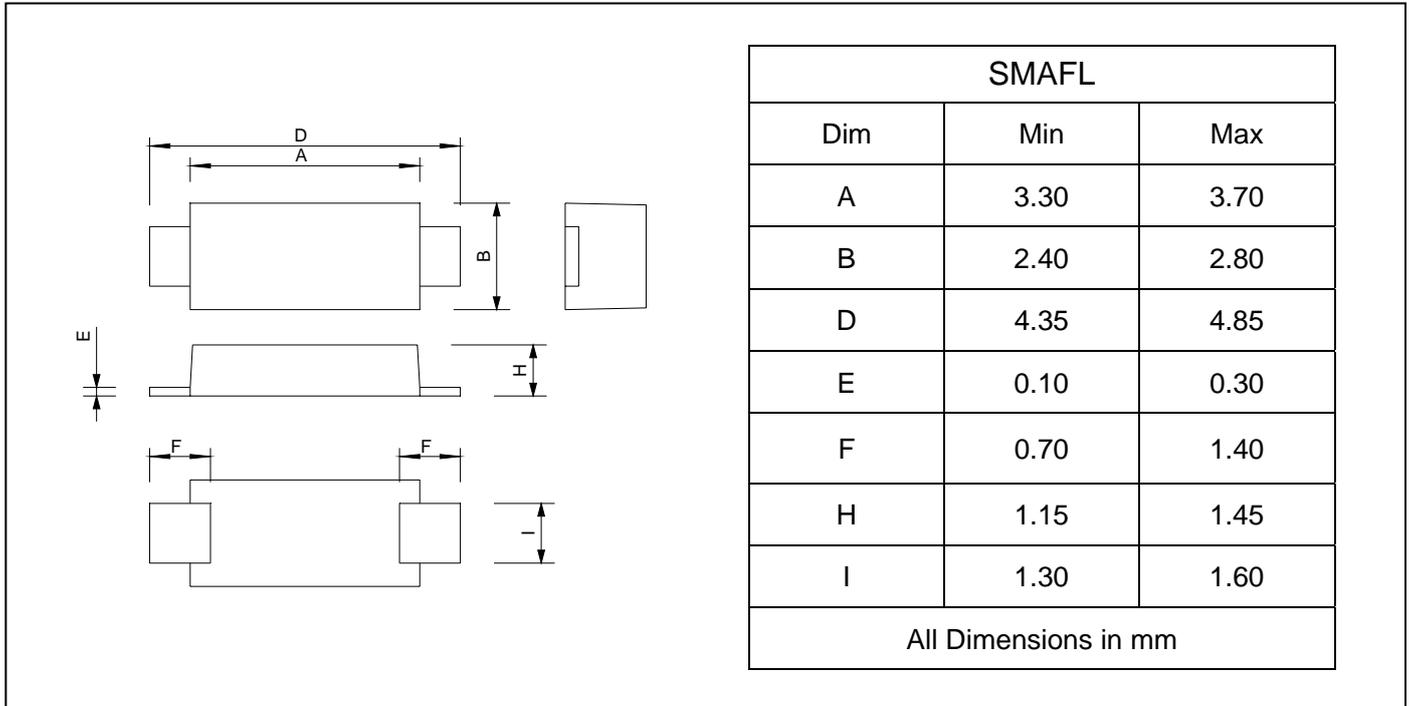
Characteristic	Symbol	SS1150FA	SS1200FA	UNITS
Maximum instantaneous forward voltage at $I_{FM}=2.0A$	$V_F$	0.95		V
Maximum DC reverse current $T_J=25^\circ C$ at rated DC blocking voltage $T_J=100^\circ C$	$I_R$	0.3 20		m A



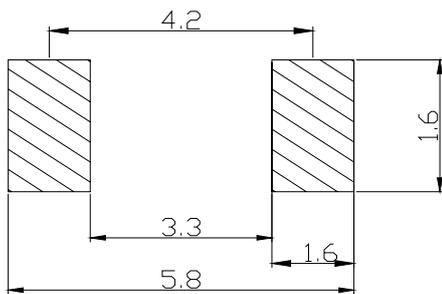
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**PACKAGE OUTLINE DIMENSIONS**



**SOLDERING FOOTPRINT**



Unit : mm

**PACKAGE INFORMATION**

Device	Package	Shipping
SS1150FA--SS1200FA	SMAFL	10000/Tape&Reel