

**SURFACE MOUNT SCHOTTKY
BARRIER RECTIFIERS**

SS2150FA-- SS2200FA

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	SS2150FA	SS2200FA	UNITS
Marking code		S2CF	S2DF	
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	$I_{F(AV)}$	2.0		A
Peak forward surge current 8.3ms single half-sine-wave	I_{FSM}	50		A

Thermal Characteristics

Characteristic	Symbol	SS2150FA	SS2200FA	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)

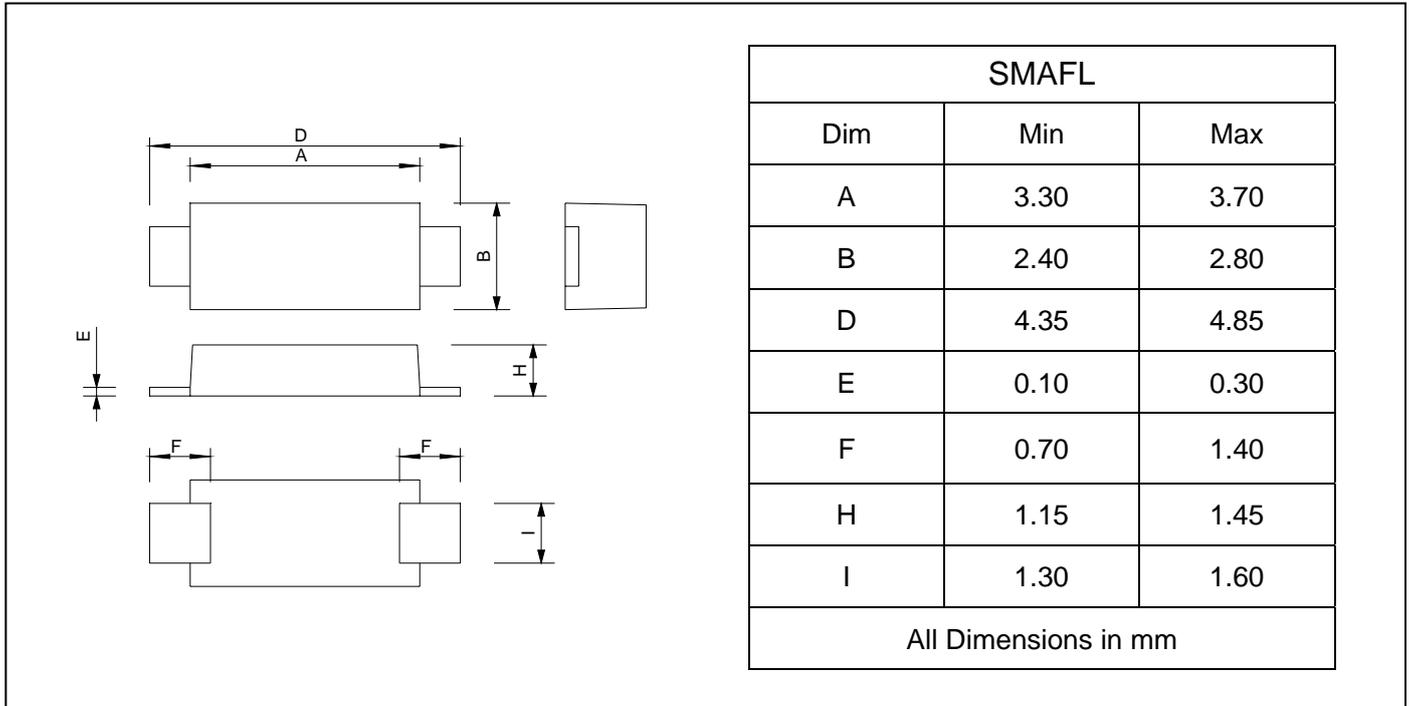
Characteristic	Symbol	SS2150FA	SS2200FA	UNITS
Maximum instantaneous forward voltage at $I_{FM}=2.0A$	V_F	0.95		V
Maximum DC reverse current $T_J=25^{\circ}C$ at rated DC blocking voltage $T_J=100^{\circ}C$	I_R	0.3	50	m A



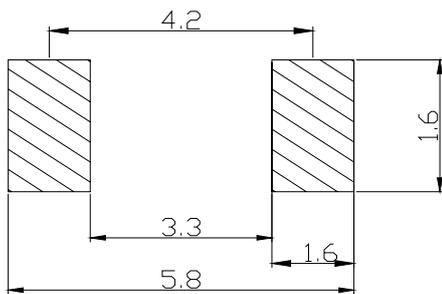
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PACKAGE OUTLINE DIMENSIONS



SOLDERING FOOTPRINT



Unit : mm

PACKAGE INFORMATION

Device	Package	Shipping
SS2150FA--SS2200FA	SMAFL	10000/Tape&Reel