

**SURFACE MOUNT SCHOTTKY
BARRIER RECTIFIERS**
SS22FA--SS210FA
FEATURES

- Schottky barrier rectifier
- Guarding protection
- Low forward voltage
- Reverse energy tested


MECHANICAL DATA

- Case: SMAFL molded plastic body
- Polarity: Color band denotes cathode end
- Mounting position: ANY

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

Characteristic	Symbol	SS22	SS23	SS24	SS245	SS25	SS26	SS28	SS29	SS210	UNITS
		FA	FA	FA	FA	FA	FA	FA	FA	FA	
Device marking code		S22	S23	S24	S245	S25	S26	S28	S29	S2AF	
Maximum repetitive peak reverse voltage	V _{RRM}	20	30	40	45	50	60	80	90	100	V
Maximum RMS voltage	V _{RWS}	14	21	28	31.5	35	42	56	63	70	V
Maximum DC blocking voltage	V _{DC}	20	30	40	45	50	60	80	90	100	V
Maximum average forward rectified current at T _L =90°C	I _{F(AV)}	2.0									A
Peak forward surge current 8.3ms single half-sine-wave	I _{FSM}	50									A

Thermal Characteristics

Characteristic	Symbol	SS22	SS23	SS24	SS245	SS25	SS26	SS28	SS29	SS210	UNITS
		FA	FA	FA	FA	FA	FA	FA	FA	FA	
Operating temperature range	T _J	-55 ---- +125						-55 ---- +150			°C
Storage temperature range	T _{STG}	-55 ---- +150									°C

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

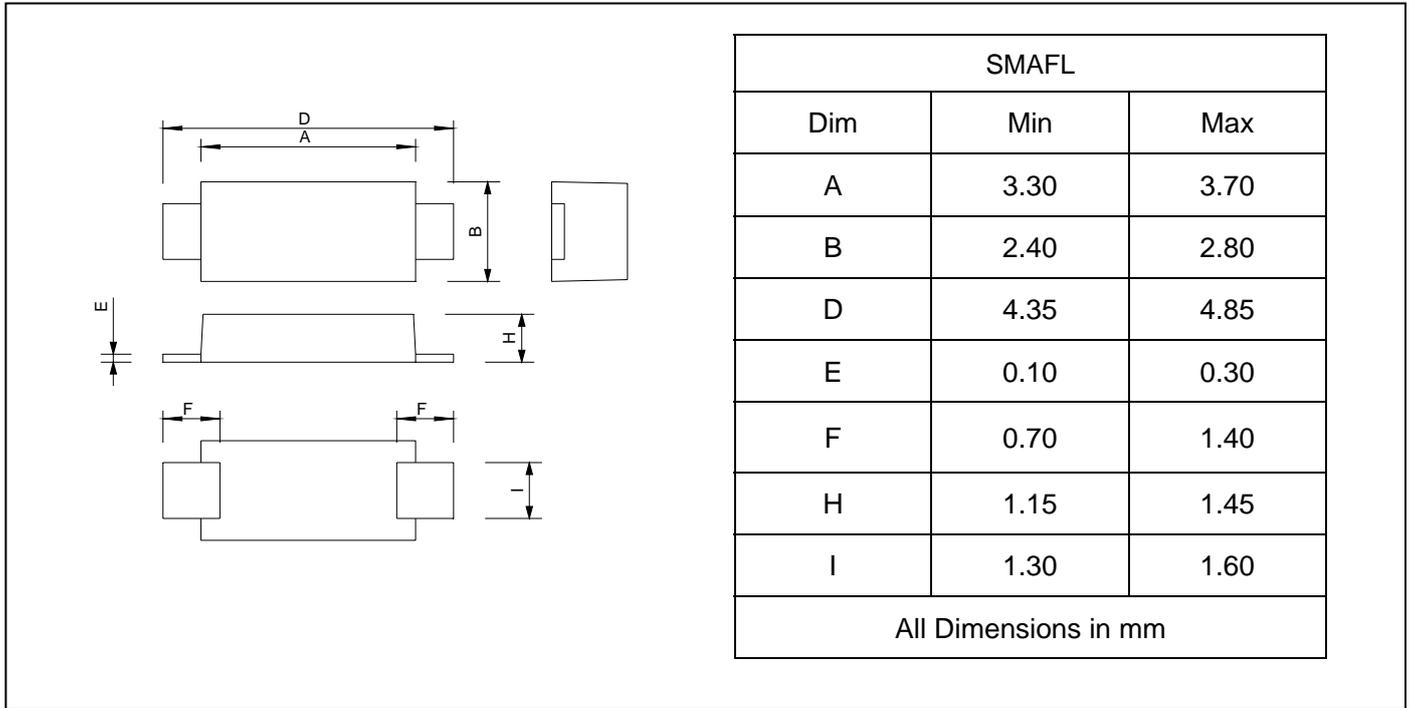
Characteristic	Symbol	SS22	SS23	SS24	SS245	SS25	SS26	SS28	SS29	SS210	UNITS
		FA	FA	FA	FA	FA	FA	FA	FA	FA	
Maximum instantaneous forward voltage @I _{FM} =2.0A	V _F	0.50				0.75		0.85			V
Maximum DC reverse current T _A =25°C at rated DC blocking voltage T _A =125°C	I _R	0.4						0.03			mA
		10						5.0			



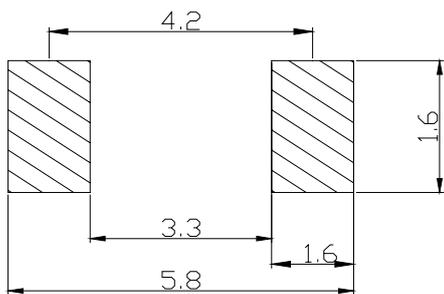
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SS22FA--SS210FA

PACKAGE OUTLINE DIMENSIONS



SOLDERING FOOTPRINT



Unit : mm

PACKAGE INFORMATION

Device	Package	Shipping
SS22FA--SS210FA	SMAFL	10000/Tape&Reel



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FIG.1 – FORWARD DERATING CURVE

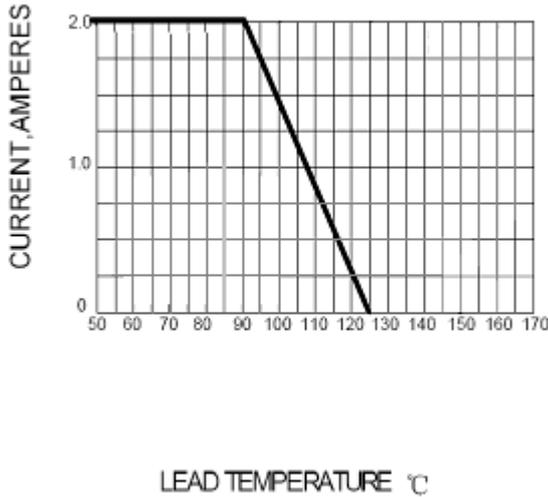


FIG.2 – PEAK FORWARD SURGE CURRENT

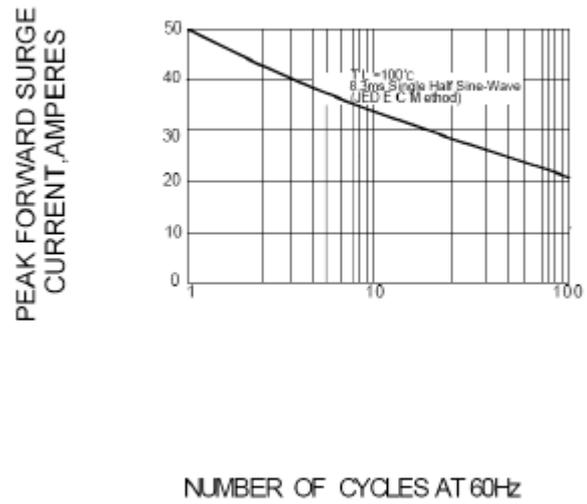


FIG.3 – TYPICAL FORWARD CHARACTERISTICS

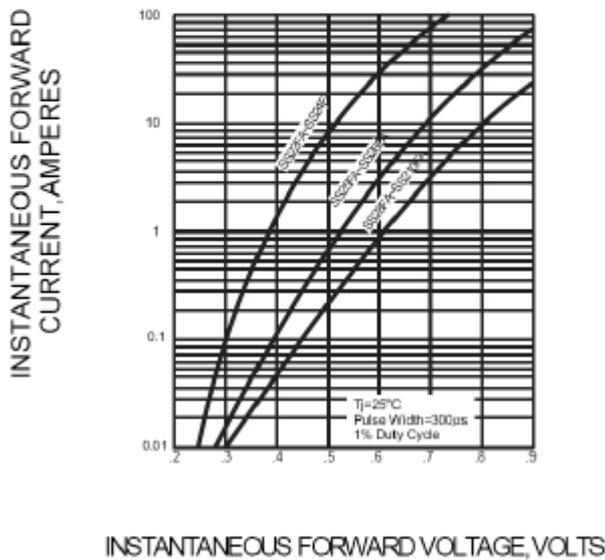


FIG.4 – TYPICAL REVERSE CHARACTERISTICS

