



Features

- Average Forward Current: $I_{F(AV)}=2A$
- Polarity: Color band denotes cathode



SMAF

Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
SS22F~SS210F	SMAF	SS2x	3000

x: From2F-10F



Maximum Ratings (Ta=25°C unless otherwise noted)

Type Number	SS22F	SS23F	SS24F	SS25F	SS26F	SS28F	SS29F	SS210F	Unit
Maximum Recurrent Peak Reverse Voltage	20	30	40	50	60	80	90	100	V
Maximum RMS Voltage	14	21	28	35	42	56	63	70	V
Maximum DC Blocking Voltage	20	30	40	50	60	80	90	100	V
Maximum Average Forward Rectified Current See Fig. 1	2.0								A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	50								A
Maximum Instantaneous Forward Voltage at 2.0A	0.55			0.70		0.85			V
Maximum DC Reverse Current Ta=25°C	0.1					0.02			mA
at Rated DC Blocking Voltage Ta=100°C	5					2			mA
Typical Junction Capacitance (Note1)	170								pF
Typical Thermal Resistance R JA (Note 2)	75								°C/W
Operating junction Temperature Range Tj	-65 — +150								°C
Storage Temperature Range Tstg	-65 — +150								°C

NOTES:

1. Measured at 1MHz and applied reverse voltage of 4.0V D.C.
2. Thermal Resistance Junction to Ambient.



Typical Characteristics

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

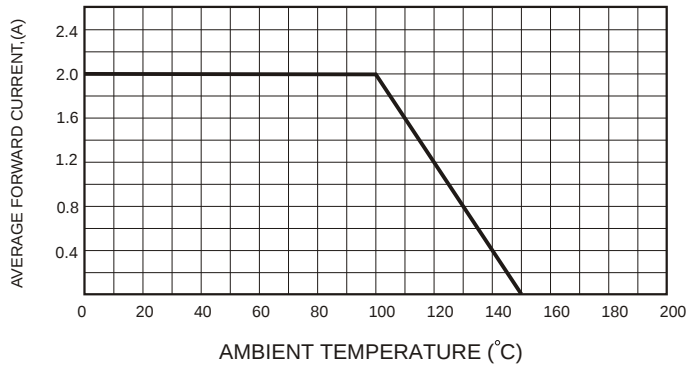


FIG.3-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

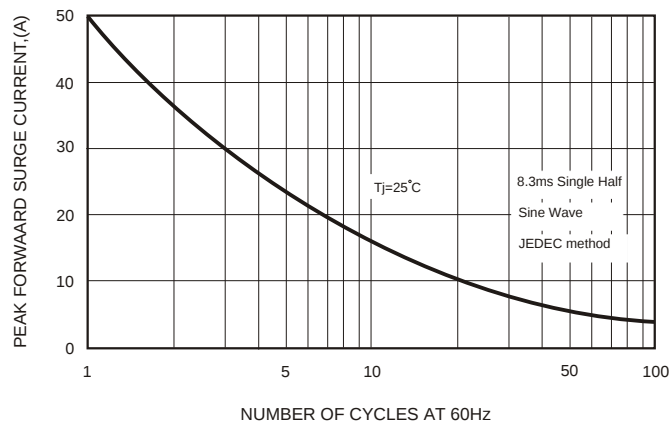


FIG.4-TYPICAL JUNCTION CAPACITANCE

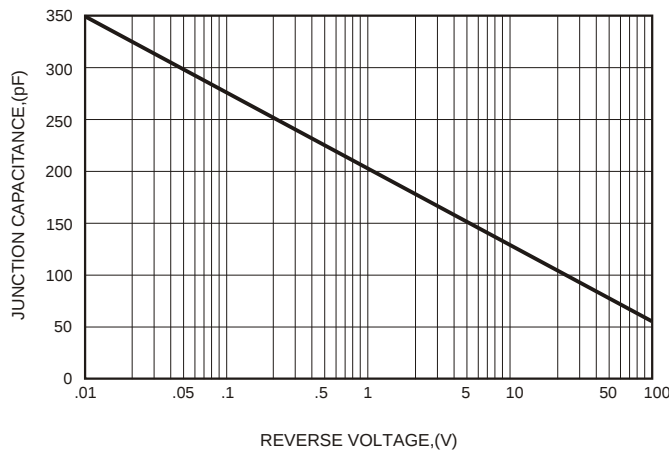


FIG.2-TYPICAL FORWARD CHARACTERISTICS

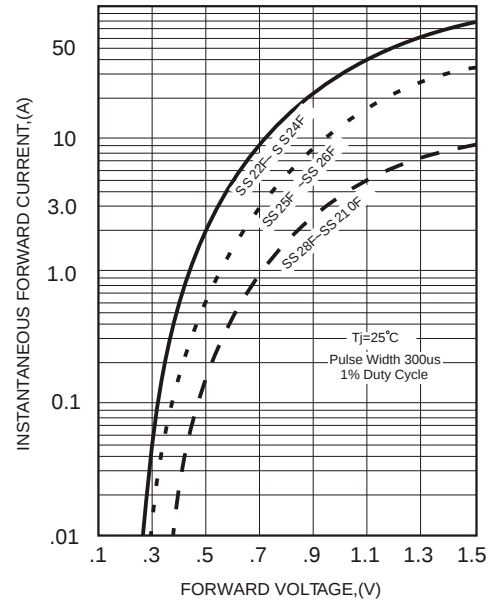
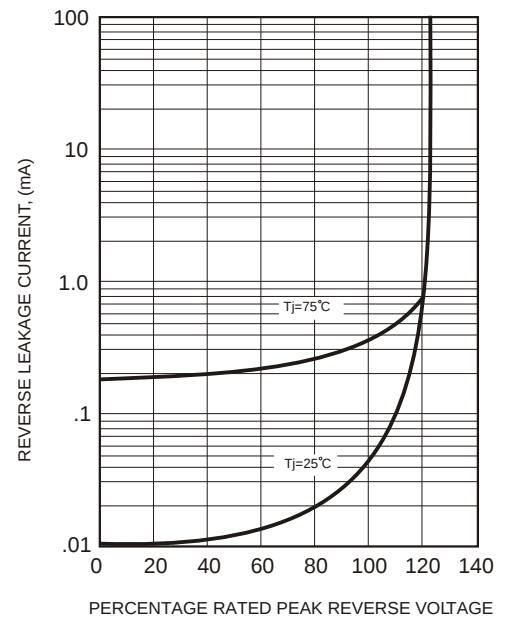
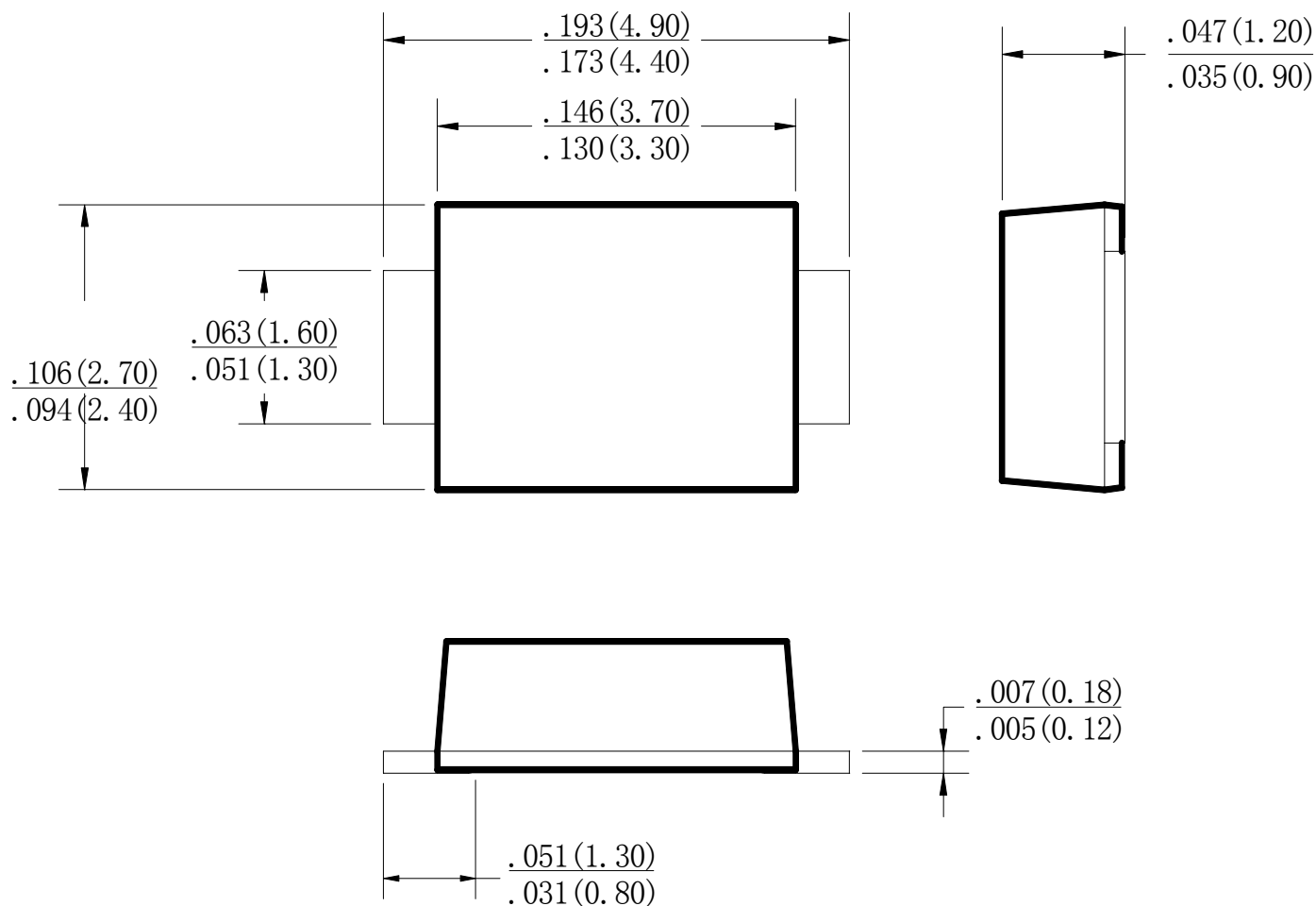


FIG.5 - TYPICAL REVERSE CHARACTERISTICS





SMAF Package Outline Dimensions



Dimensions in inches and (millimeters)



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