Features

- Average Forward Current:$I_{F(AV)}$= 1A
- Polarity: Color band denotes cathode



SMAF



Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
RB160LAM-40TR	SMAF	SS14F	3000

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

Type Number	Limit	Unit
Maximum Recurrent Peak Reverse Voltage	40	V
Maximum RMS Voltage	28	V
Maximum DC Blocking Voltage	40	V
Maximum Average Forward Rectified Current See Fig. 1	1.0	A
Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	30	A
Maximum Instantaneous Forward Voltage at 2.0A	0.55	V
Maximum DC Reverse Current Ta=25°C at Rated DC Blocking Voltage Ta=100°C	0.2 10	mA mA
Typical Junction Capacitance (Note1)	110	pF
Typical Thermal Resistance RJA (Note 2)	50	°C/W
Operating junction Temperature Range T_J	-65 —+150	°C
Storage Temperature Range T_{STG}	-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

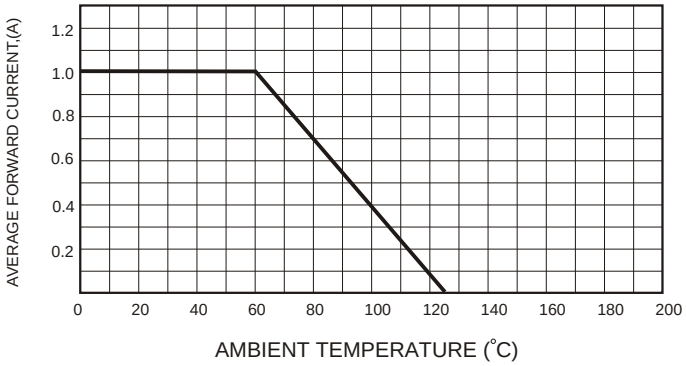


FIG.2-TYPICAL FORWARD CHARACTERISTICS

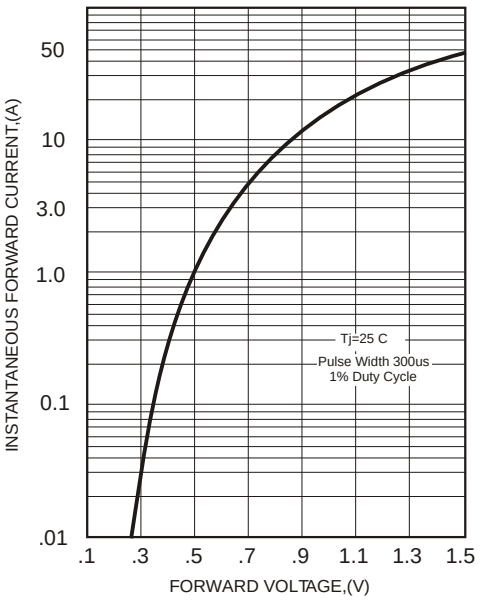


FIG.3-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

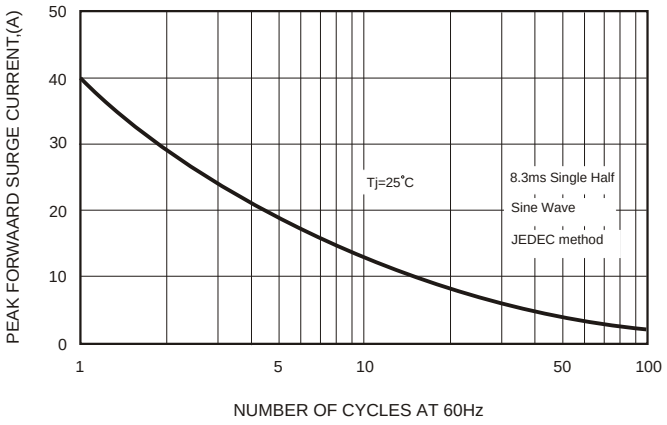


FIG.4-TYPICAL JUNCTION CAPACITANCE

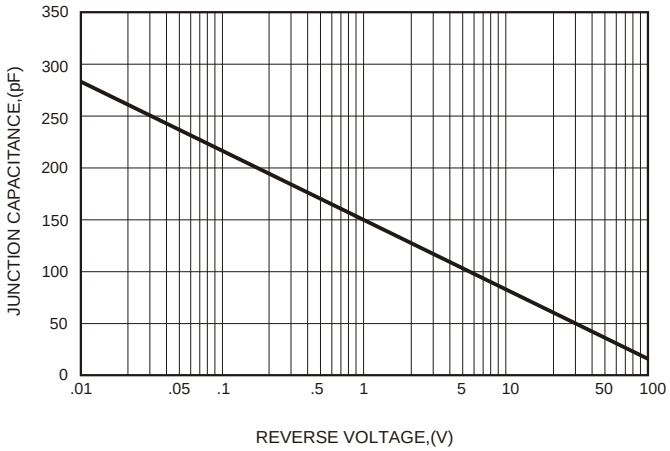
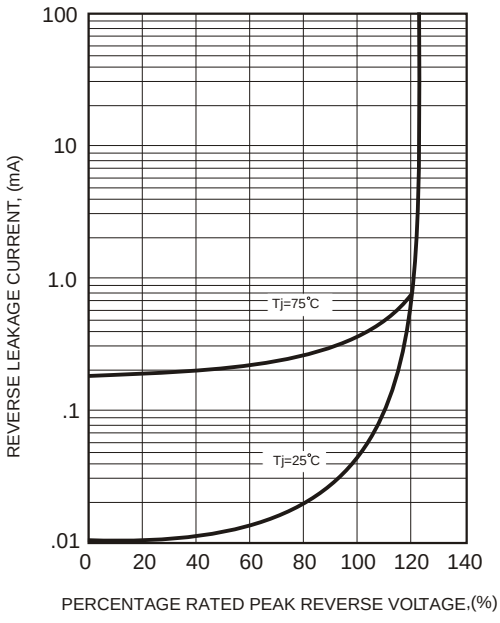
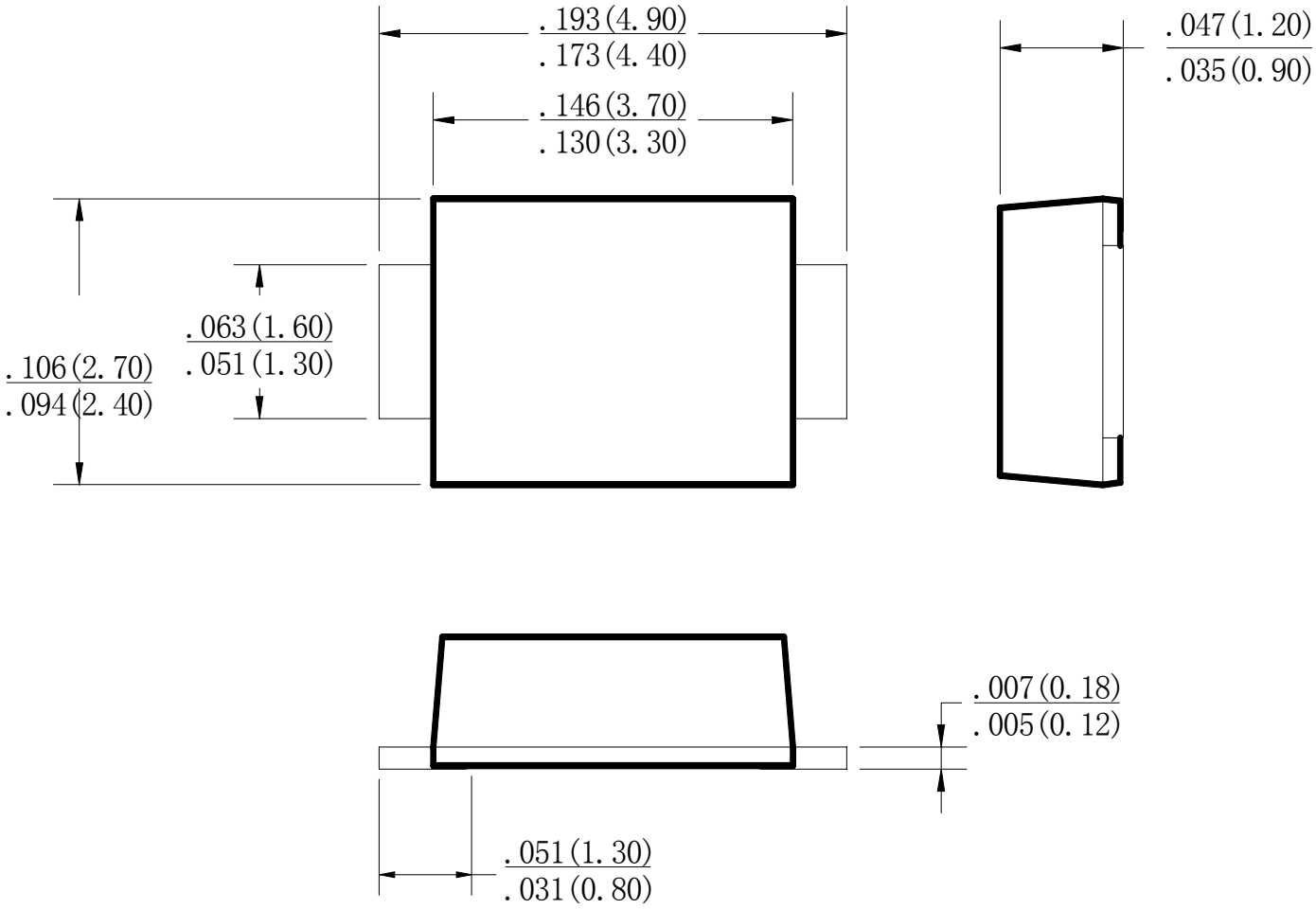


FIG.5 - TYPICAL REVERSE CHARACTERISTICS



SMAF Package Outline Dimensions



Dimensions in inches and (millimeters)

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TPSMB100CA-VR HRCLAMP3371ZCTFT AZ4836-01L HACPDQC5V0-HF HLY323BC1524L HPTVSUC3D5VB HSD15C.TCT HSEN3611D3 PESDSC2FD5VU PJSD24CW_R1 RLSD32A121V 60N06 HAZ4007-01H HESDSLC3V3D3B HSEN2411D3 LM393DR-HXY ESD5L5.0C-HXY HCEZ36V,L3F PESDNC2XD5VBL AQ15C-01FTG AZ4007-01H HESD36VD3B PESDLC2FD3V3BH TPSMB28A-VR PJEC5V0M1FN2 BV05C-H HSG3D15B3.3MA HSTS521050B331 ESD5LM5.0C-HXY PESDNC2XD5VBF