# RB068LAM100TFTR
## SCHOTTKY RECTIFIER DIODES

### 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) |
|---|---|---|---|
| RB068LAM100TFTR | SMAF | SS210F | 3000 |

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

| Type Number | Limit | Unit |
|---|---|---|
| Maximum Recurrent Peak Reverse Voltage | 100 | V |
| Maximum RMS Voltage | 70 | V |
| Maximum DC Blocking Voltage | 100 | V |
| Maximum Average Forward Rectified Current<br>See Fig. 1 | 2.0 | A |
| Peak Forward Surge Current, 8.3 ms single half sine-wave<br>superimposed on rated load (JEDEC method) | 50 | A |
| Maximum Instantaneous Forward Voltage at 2.0A | 0.85 | V |
| Maximum DC Reverse Current Ta=25°C<br>at Rated DC Blocking Voltage Ta=100°C | 0.02<br>2 | mA<br>mA |
| Typical Junction Capacitance (Note1) | 170 | pF |
| Typical Thermal Resistance R JA (Note 2) | 75 | °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

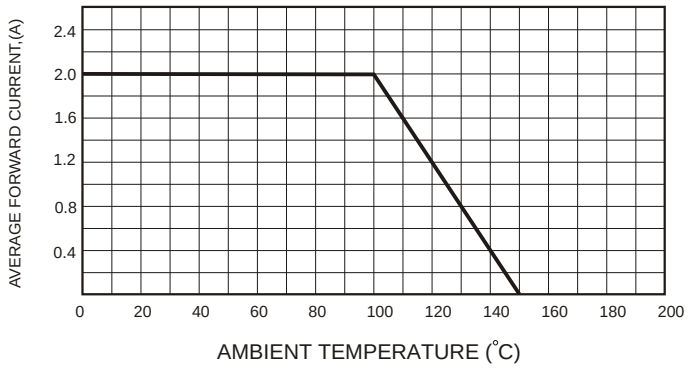



FIG.2-TYPICAL FORWARD CHARACTERISTICS

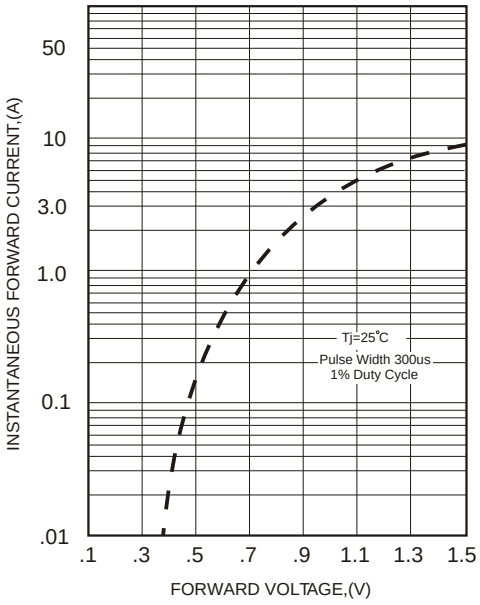



FIG.3-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

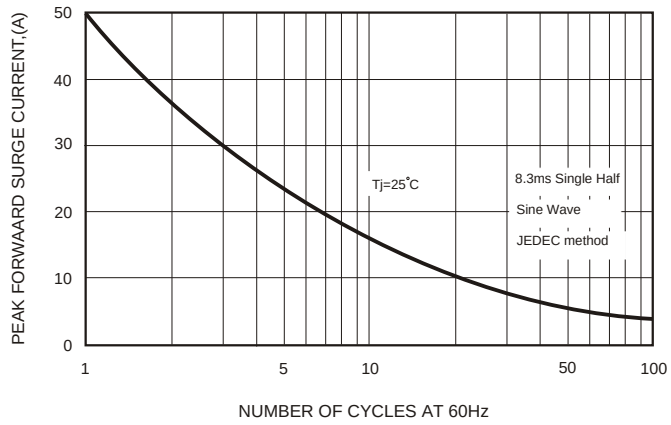



FIG.4-TYPICAL JUNCTION CAPACITANCE

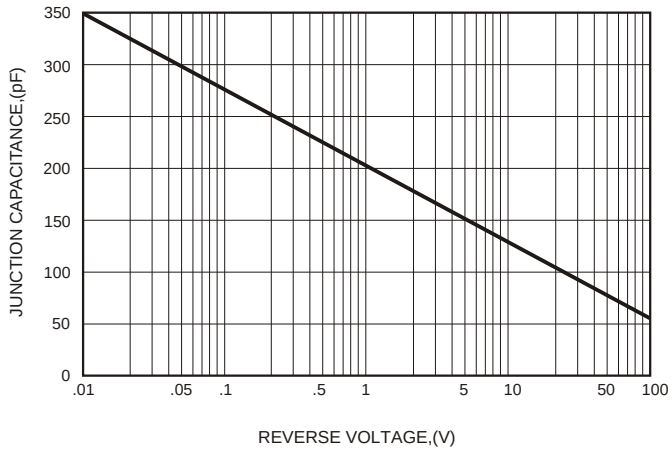
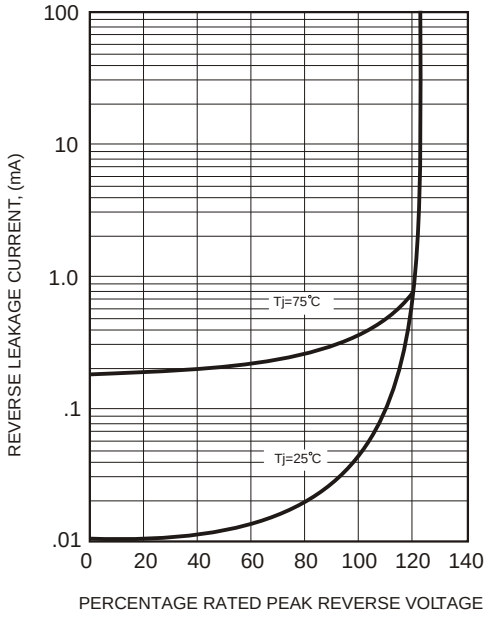
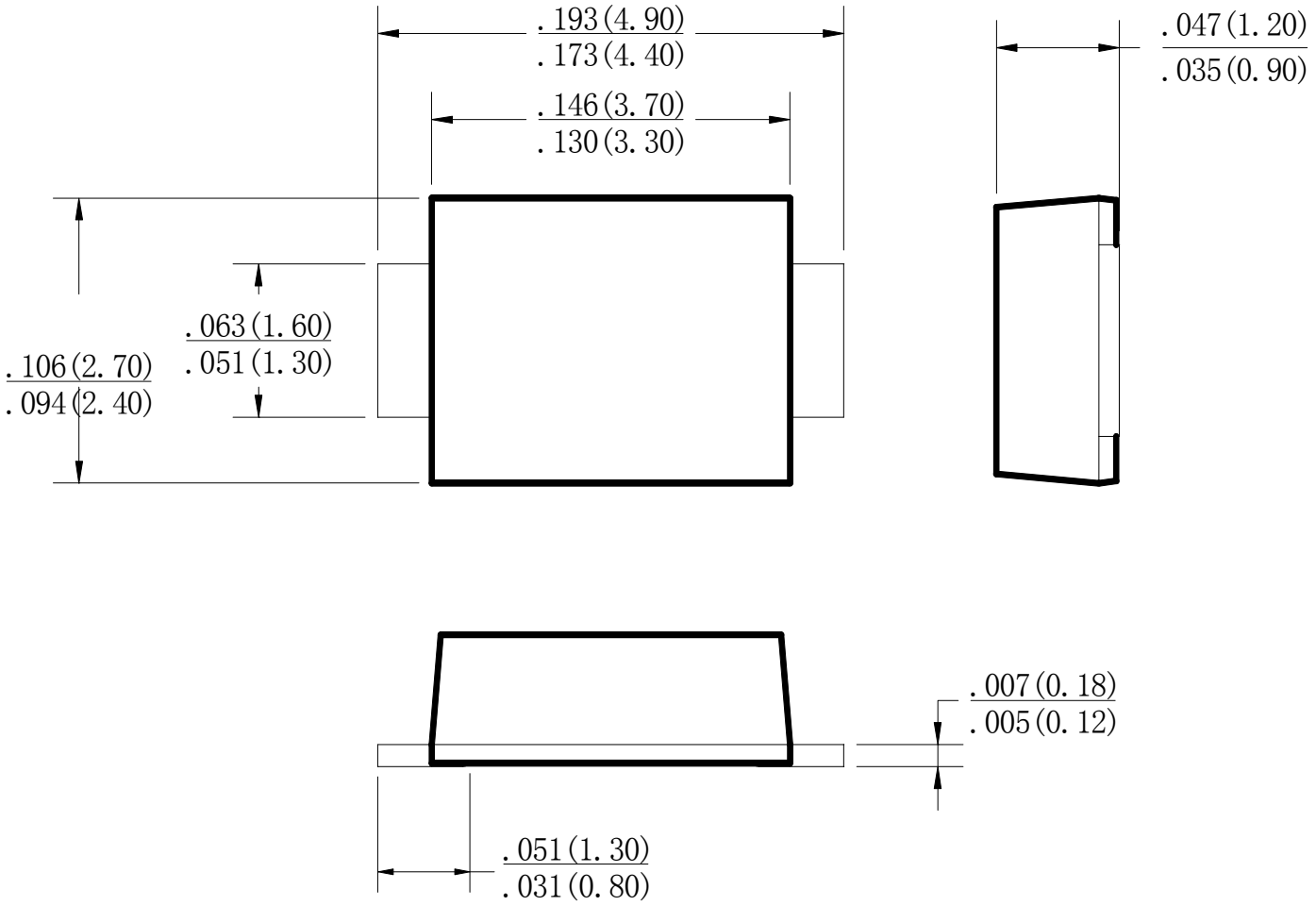



FIG.5 - TYPICAL REVERSE CHARACTERISTICS



## SMAF Package Outline Dimensions




Dimensions in inches and (millimeters)

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## HXY MOSFET:

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