Features

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



SOD-123FL



Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
NRVTS2H60ESFT3G	SOD-123FL	K26	3000

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

Single phase half wave, 60Hz, resistive or inductive load.
For capacitive load, derate current by 20%.

Type Number	Limit	Unit
Maximum Recurrent Peak Reverse Voltage	60	V
Maximum RMS Voltage	42	V
Maximum DC Blocking Voltage	60	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	0.7	V
Maximum DC Reverse Current Ta=25℃ at Rated DC Blocking Voltage Ta=100℃	0.1 5	mA mA
Typical Junction Capacitance (Note1)	170	pF
Typical Thermal Resistance R JA (Note 2)	80	℃/W
Operating Temperature Range T_J	-65—+150	℃
Storage Temperature Range T_{STG}	-65—+150	℃

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

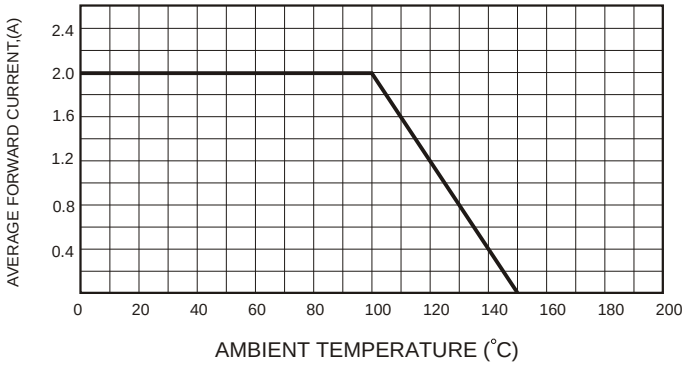


FIG.2-TYPICAL FORWARD CHARACTERISTICS

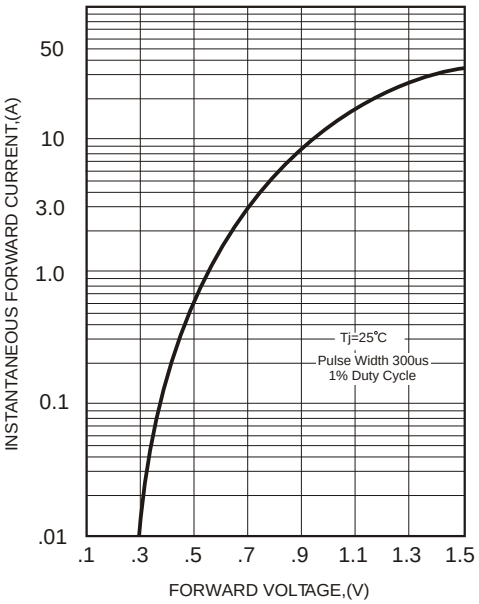


FIG.3-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

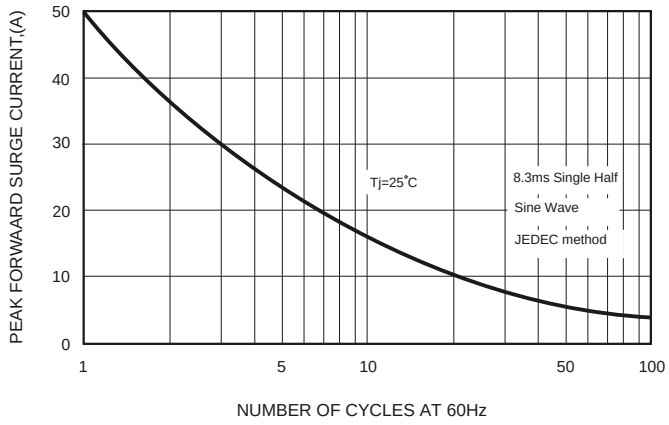


FIG.4-TYPICAL JUNCTION CAPACITANCE

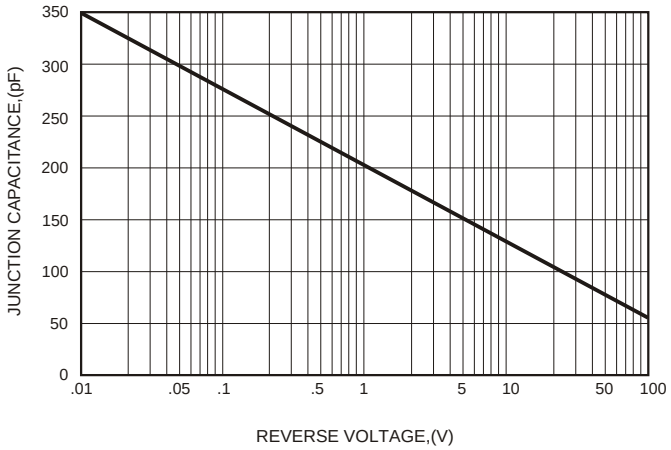
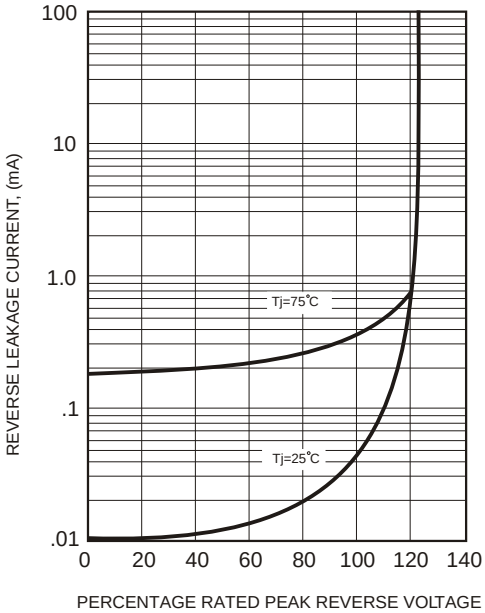
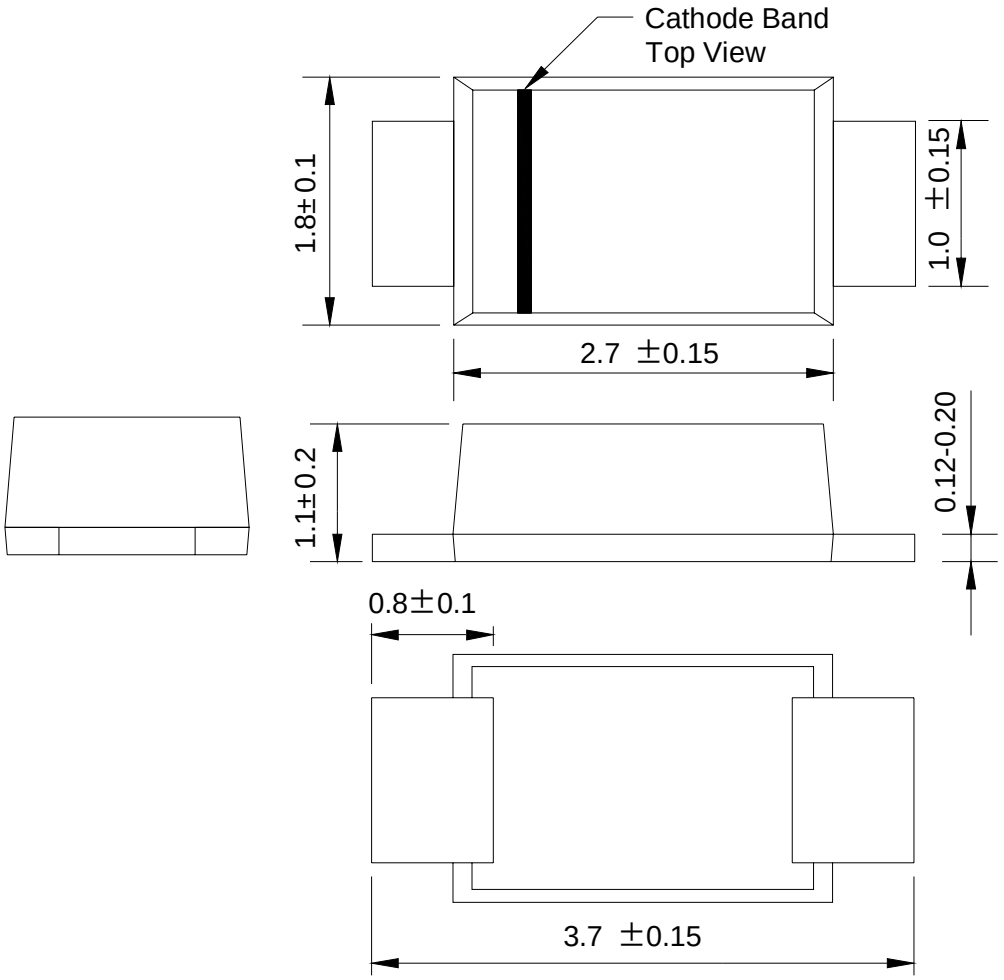


FIG.5 - TYPICAL REVERSE CHARACTERISTICS



SOD-123FL Package Outline Dimensions



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HXY MOSFET:

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