STPS1L60ZF
Schottky Rectifier Diodes

Features

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



SOD-123FL



Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
STPS1L60ZF	SOD-123FL	K16	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	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 1.0A	0.7	V
Maximum DC Reverse Current Ta=25℃ at Rated DC Blocking Voltage Ta=100℃	0.2 10	mA mA
Typical Junction Capacitance (Note1)	110	pF
Typical Thermal Resistance RqJA (Note 2)	80	°C/W
Operating Temperature Range T_J	-65 —+125	°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

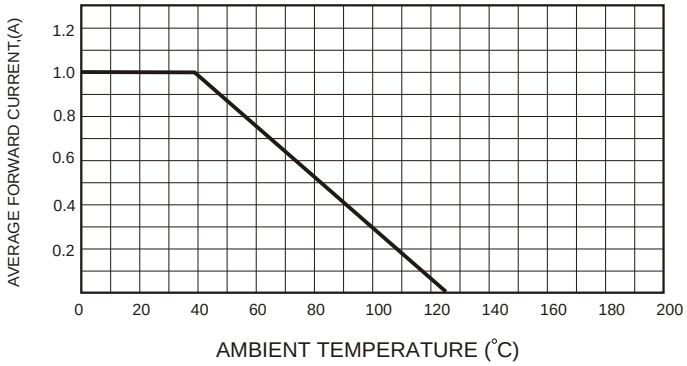


FIG.2-TYPICAL FORWARD CHARACTERISTICS

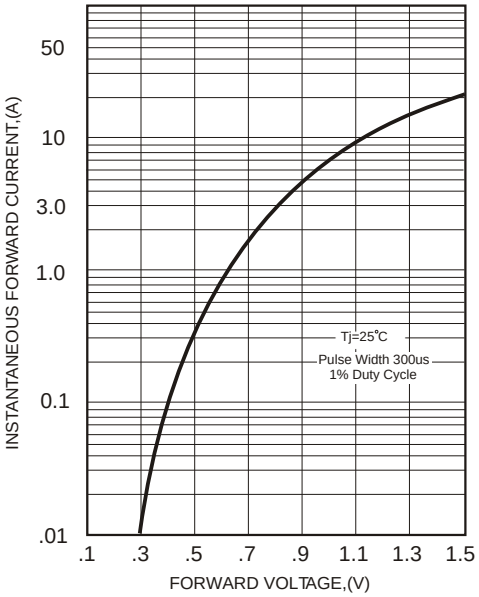


FIG.3-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

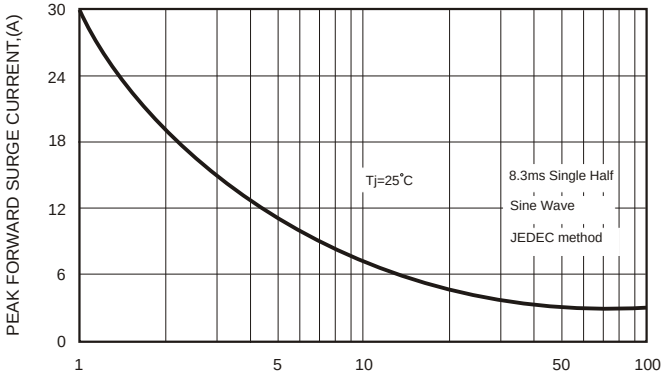


FIG.4-TYPICAL JUNCTION CAPACITANCE

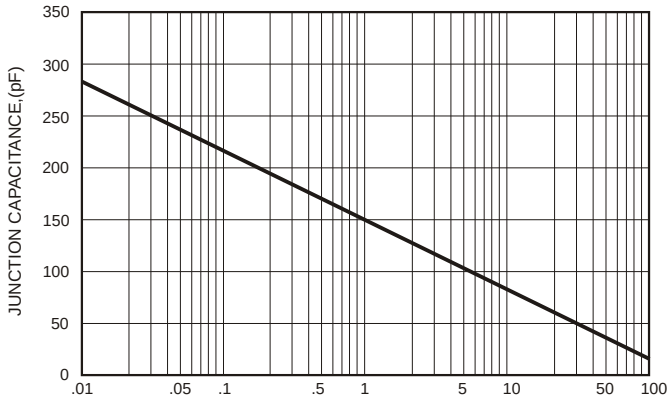
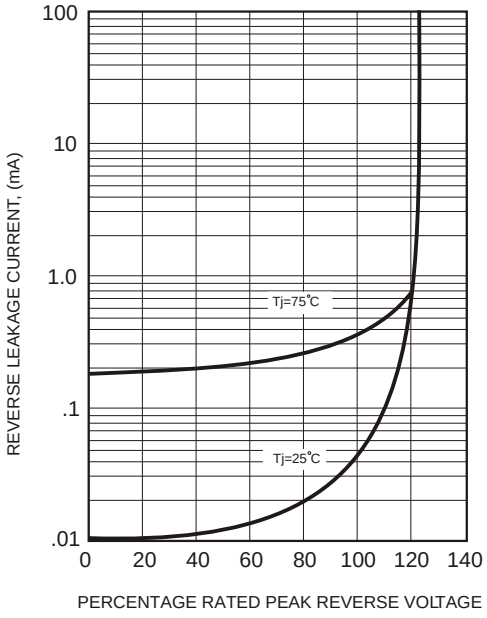
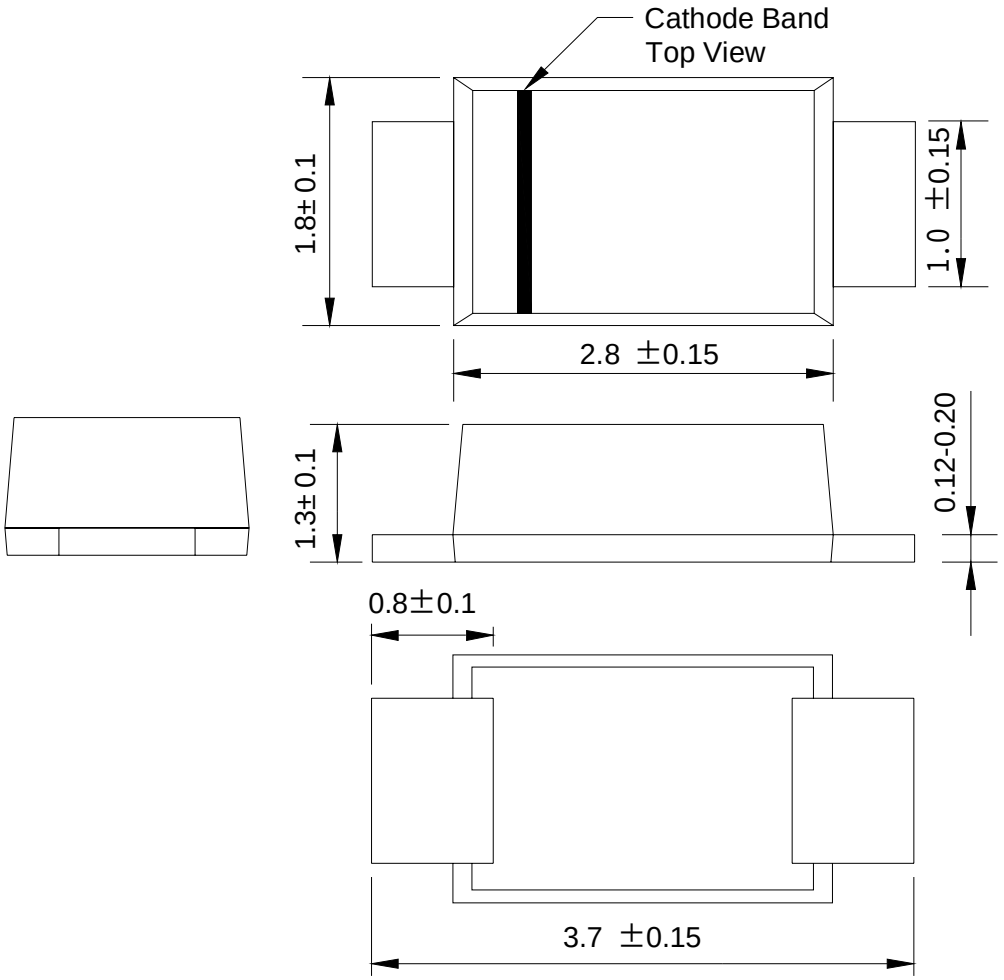


FIG.5 - TYPICAL REVERSE CHARACTERISTICS



SOD-123FL Package Outline Dimensions



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HXY MOSFET:

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