STPS2L60ZFY
Schottky Rectifier Diodes

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)
STPS2L60ZFY	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

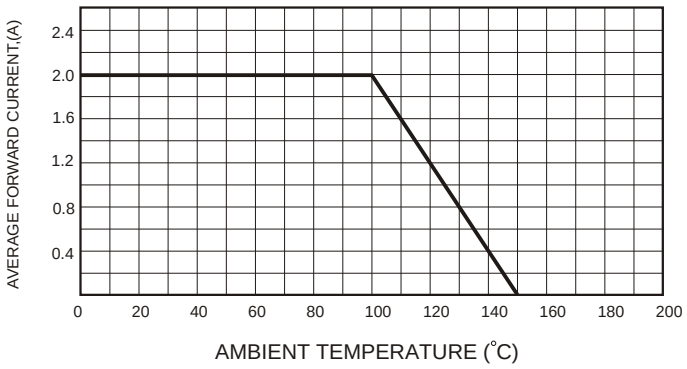


FIG.2-TYPICAL FORWARD CHARACTERISTICS

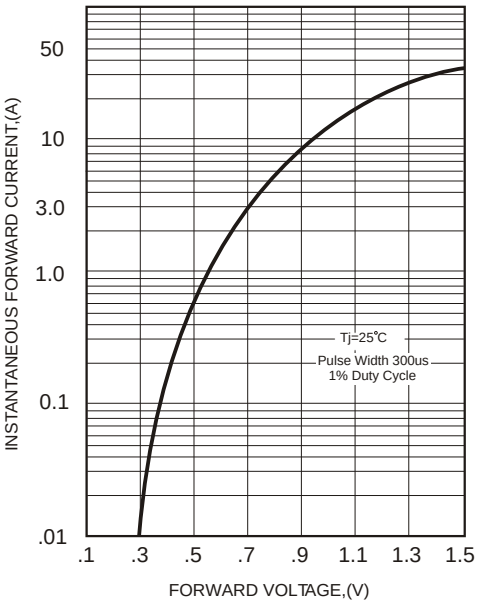


FIG.3-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

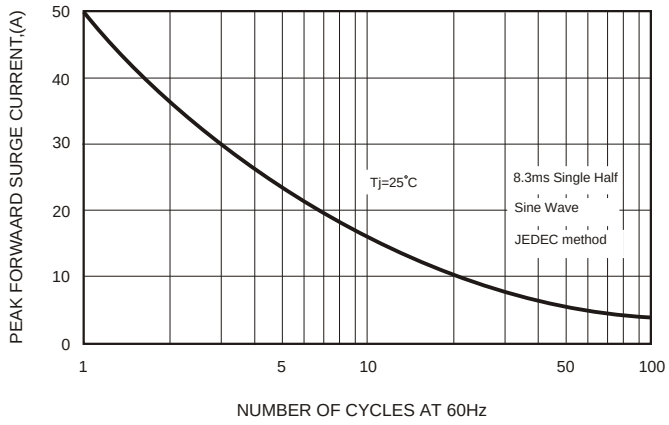


FIG.4-TYPICAL JUNCTION CAPACITANCE

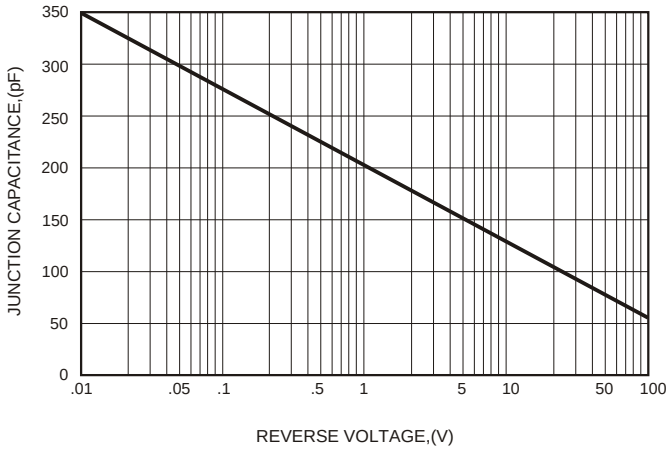
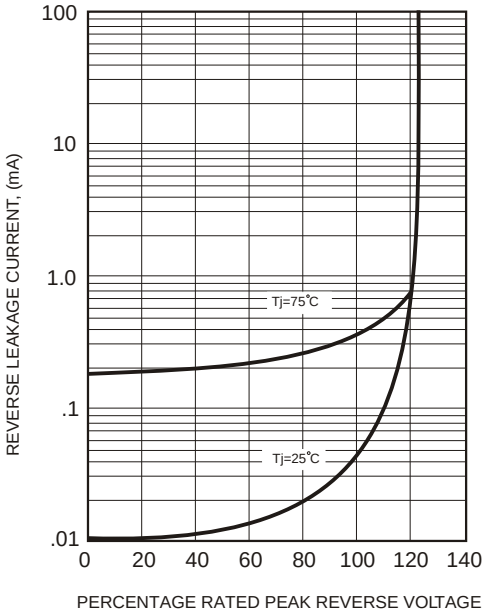
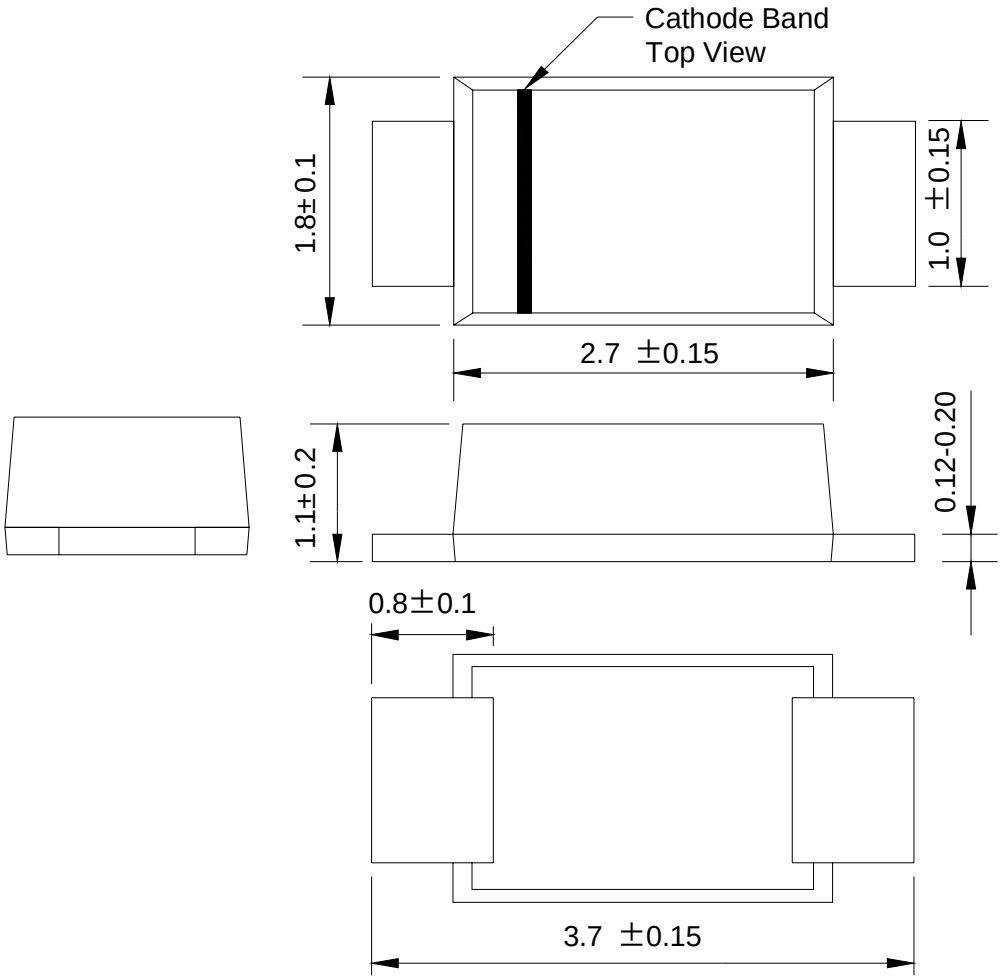


FIG.5 - TYPICAL REVERSE CHARACTERISTICS



SOD-123FL Package Outline Dimensions



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HXY MOSFET:

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