

DESCRIPTION

The SESLVU2.8 is a low voltage, low leakage current and ultra low capacitance TVS device designed for EOS and ESD protection of low voltage circuits commonly found in network and computing applications. This device can be placed at the connector input or at the sensitive IC component and also be used across a single ended data line for the protection of a single line.

The SESLVU2.8 device meets the IEC requirements of 61000-4-2 (ESD), 61000-4-4 (EFT) and 61000-4-5 (Surge). This device has a peak pulse power rating of 600 Watts (8/20µs waveform) and is available in a SOT-23 package configuration.



FEATURES

- >400 Watts Peak Pulse Power per Line (tp=8/20µs)
- >Protects two line pairs (four lines)
- >Low capacitance
- >RoHS Compliant

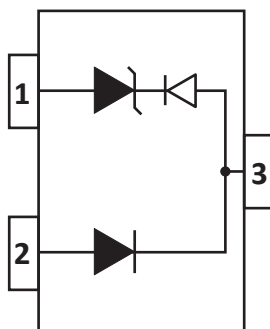
APPLICATIONS

- >10/100 Ethernet
- >WAN/LAN Equipment
- >Laser Diode Protection
- >Switching Systems
- >Instrumentation
- >Base Stations

IEC COMPATIBILITY

- >IEC61000-4-2 (ESD) ±15kV (air), ±8kV (contact)
- >IEC61000-4-4 (EFT) 40A (5/50ns)
- >IEC61000-4-5 (Lightning) 24A (8/20µs)

PIN CONFIGURATIONS



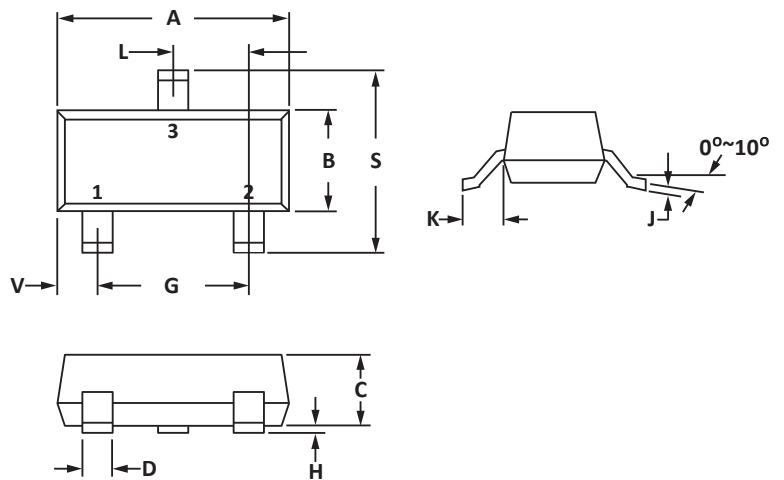
TYPICAL DEVICE CHARACTERISTICS

MAXIMUM RATINGS @ 25°C UNLESS OTHERWISE SPECIFIED			
PARAMETER	SYMBOL	VALUE	UNIT
Peak Pulse Power (tp=8/20μs waveform)	PPp	400	Watts
Lead Soldering Temperature	T _L	260(10 sec.)	°C
Operating Temperature Range	T _J	-55~150	°C
Storage Temperature Range	T _{STG}	-55~150	°C

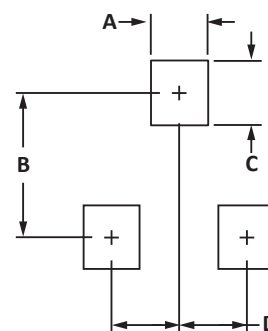
ELECTRICAL CHARACTERISTICS PER LINE @ 25°C UNLESS OTHERWISE SPECIFIED									
PART NUMBER	DEVICE MARKING	V _{RWM}	V _B	I _T	V _C	V _C		I _R	C _T
		(V) Max.	(V) Min.	(mA)	@5A Max.	Max.	@A	(uA) Max.	(pF) Max.
SESLVU2.8	328	2.8	3.0	1	7	15	24	1	3

SOT-23 PACKAGE INFORMATION

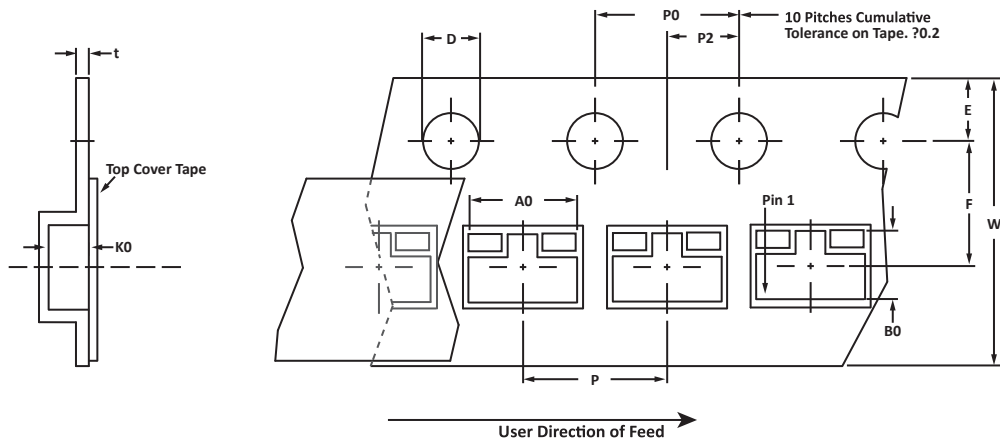
OUTLINE DIMENSIONS				
DIM	MILLIMETERS		INCHES	
	MIN	MAX	MIN	MAX
A	2.80	3.04	0.110	0.120
B	1.20	1.40	0.047	0.055
C	0.89	1.11	0.035	0.044
D	0.37	0.50	0.015	0.020
G	1.78	2.04	0.070	0.081
H	0.013	0.100	0.001	0.004
J	0.085	0.177	0.003	0.007
K	0.45	0.60	0.018	0.024
L	0.89	1.02	0.035	0.040
S	2.10	2.50	0.083	0.098
V	0.45	0.60	0.018	0.024



PAD LAYOUT DIMENSIONS				
DIM	MILLIMETERS		INCHES	
	MIN	MAX	MIN	MAX
A	0.71	0.97	0.028	0.038
B	1.88	2.13	0.074	0.084
C	0.71	0.97	0.028	0.038
D	0.81	1.07	0.032	0.042



TAPE AND REEL



SPECIFICATIONS

REEL DIA.	TAPE WIDTH	A0	B0	K0	D	E	F	W	P0	P2	P	tmax
178mm (7")	8mm	3.15 ± 0.10	2.77 ± 0.10	1.30 ± 0.10	1.50 ± 0.10	1.75 ± 0.10	3.50 ± 0.05	8.00 ± 0.30	4.00 ± 0.10	2.00 ± 0.05	4.00 ± 0.10	0.228

NOTES

1. Dimensions are in millimeters.
2. Surface mount product is taped and reeled in accordance with EIA-481.
3. Suffix - T7 = 7" Reel - 3,000 pieces per 8mm tape.

ORDERING INFORMATION

BASE PART NUMBER (xx = Voltage)	LEAD FREE SUFFIX	TAPE SUFFIX	QTY/REEL	REEL SIZE	TUBE QTY
SESLVU2.8	-LF	-T7	3,000	7"	n/a

This device is only available in a Lead-Free configuration.

CONTACT US

Headquarters

Room 43A, Block C, E lectronic and Technology Building, Shennan Road, Futian District, Shenzhen
China

Hotline

+86-0755-83239646

Web

[Http://www.szshaoxin.com](http://www.szshaoxin.com)

By Telephone

General: +86-0755-83239646

By Fax

+86-0755-83239644
