

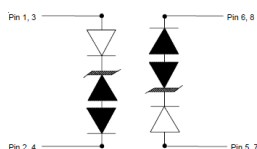
Features

- ◇ 400W (8/20μs) Peak Pulse Power
- ◇ Low Voltage TVS Diode Array for ESD and Latch-Up Protection
- ◇ SOP-8 Package
- ◇ RoHS Compliant
- ◇ Matte Tin Lead finish (Pb-Free)
- ◇ Protects Four Lines
- ◇ Meet IEC61000-4-2 Level 4:
Contact Discharge > 20kV Air
Discharge > 20kV

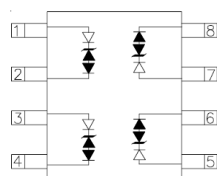
Applications

- ◇ 10/100 Ethernet
- ◇ Base Stations
- ◇ Analog Inputs
- ◇ Switching Systems
- ◇ WAN/LAN Equipment
- ◇ Laser Diode Protection
- ◇ Desktops, Servers, Notebooks and Handhelds

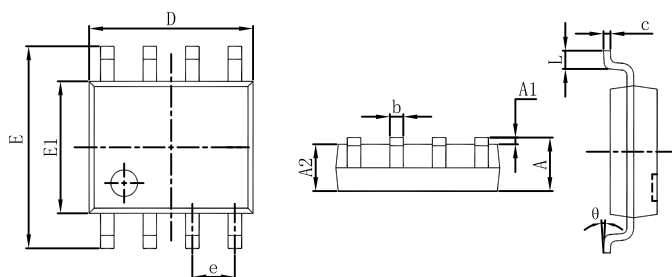
Circuit Diagram



PIN Diagram



SOP-8



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min	Max	Min	Max
A	1.350	1.750	0.053	0.069
A1	0.100	0.250	0.004	0.010
A2	1.350	1.550	0.053	0.061
b	0.330	0.510	0.013	0.020
c	0.170	0.250	0.007	0.010
D	4.800	5.000	0.189	0.197
e	1.270 (BSC)		0.050 (BSC)	
E	5.800	6.200	0.228	0.244
E1	3.800	4.000	0.150	0.157
L	0.400	1.270	0.016	0.050
θ	0°	8°	0°	8°

Maximum Ratings (Ta = 25℃)

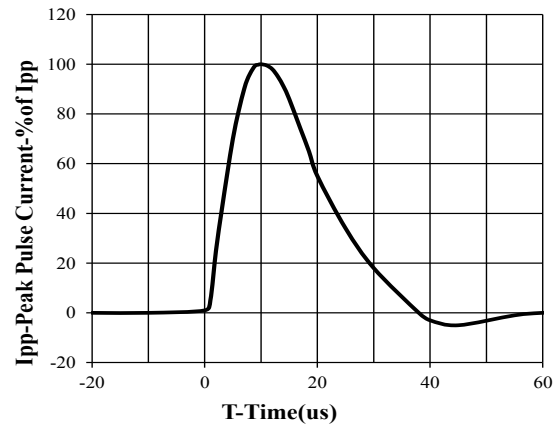
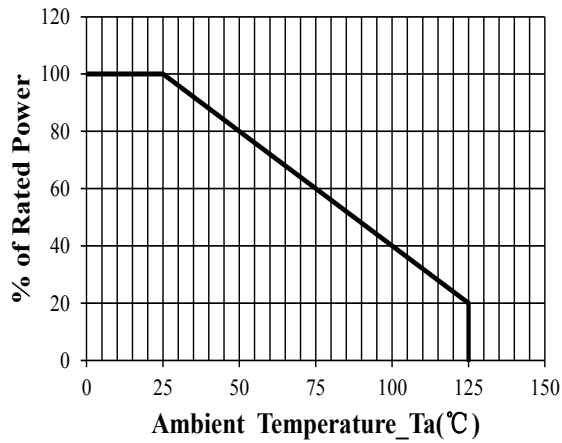
Symbol	Parameter	Value	Unit
PPK	Peak Pulse Power	400	W
IPP	Peak Pulse Current	20	A
VESD (Contact)	Contact ESD Voltage per IEC61000-4-2	20	kV
VESD (Air)	Air ESD Voltage per IEC61000-4-2	20	kV
TJ	Junction Temperature	-55 to +125	℃
TSTG	Storage Temperature	-55 to +150	℃

SLVU2.8-4

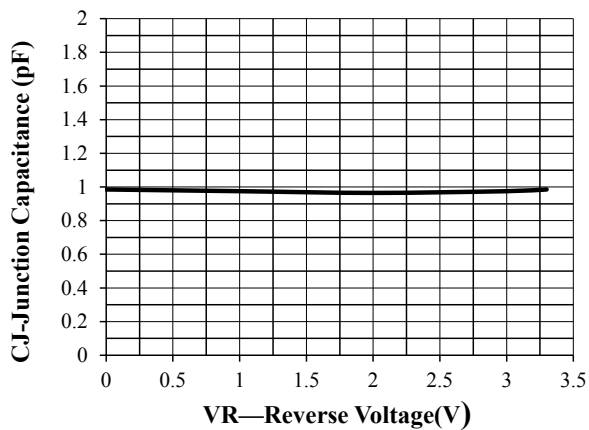
Electrical Characteristics (Ta = 25°C)

Symbol	Parameter	Conditions	Min	Typ	Max	Unit
VRWM	Reverse Working Peak Voltage				2.8	V
VT	Trigger Voltage	IT = 2μA	3.0			V
VSB	Snap-Back Voltage	ISB = 50mA	2.8			V
IR	Reverse Leakage Current	VRWM = 2.8V			1	μA
VC	Clamping Voltage	IPP = 1A (8/20μs)		7	9	V
VC	Clamping Voltage	IPP = 5A (8/20μs)		9	12	V
VC	Clamping Voltage	IPP = 20A (8/20μs)		16	20	V
CJ	Capacitance	VR = 0V, f = 1MHz		1	5	pF

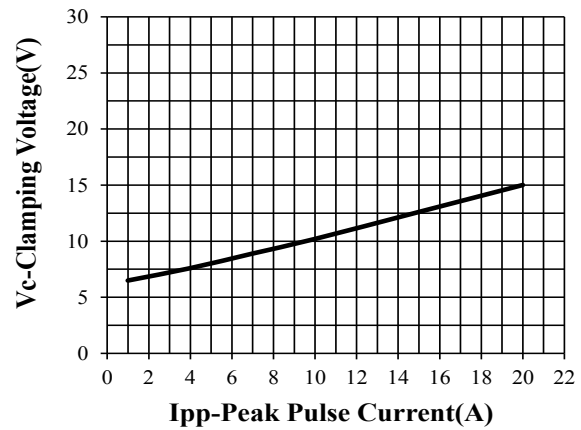
RATING AND CHARACTERISTIC CURVES (SLVU2.8-4)



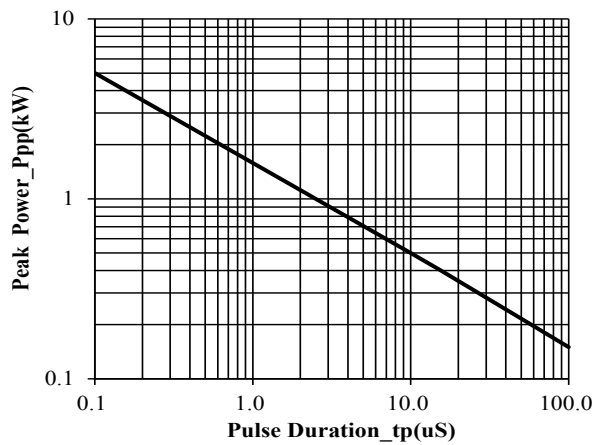
8 X 20us Pulse Waveform



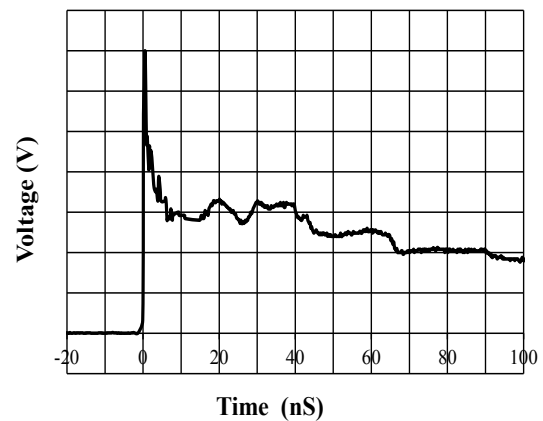
Junction Capacitance vs. Reverse Voltage



Clamping Voltage vs. Peak Pulse Current



Peak Pulse Power vs. Pulse Time



IEC61000-4-2 Pulse Waveform