

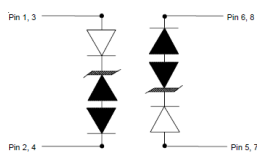
Features

- ◇ 400W (8/20 μ s) Peak Pulse Power
- ◇ Low Voltage TVS Diode Array for ESD and Latch-Up Protection
- ◇ SO-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

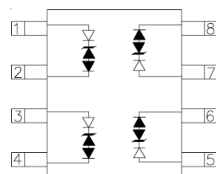
Applications

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

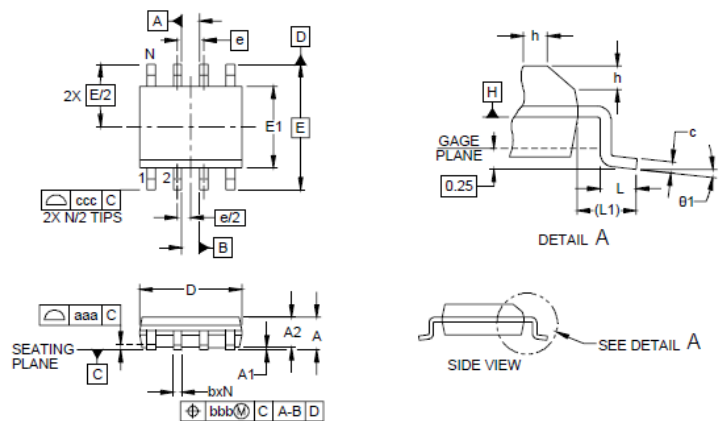
Circuit Diagram



PIN Diagram



SOP-8



DIMENSIONS

DIM	INCHES			MILLIMETERS		
	MIN	NOM	MAX	MIN	NOM	MAX
A	.053	-	.069	1.35	-	1.75
A1	.004	-	.010	.010	-	0.25
A2	.049	-	.065	1.25	-	1.65
b	.012	-	.020	0.31	-	0.51
c	.007	-	.010	0.17	-	0.25
D	.189	.193	.197	4.80	4.90	5.00
E1	.150	.154	.157	3.80	3.90	4.00
E	.236(BSC)			6.00(BSC)		
e	.050(BSC)			1.27(BSC)		
h	.010	-	.020	0.25	-	0.50
L	.016	.028	.041	0.40	0.72	1.04
L1	(0.041)			(1.04)		
N	8			8		
θ_1	0°	-	8°	0°	-	8°
aaa	.004			0.10		
bbb	.010			0.25		
ccc	.008			0.20		

Maximum Ratings (Ta = 25°C)

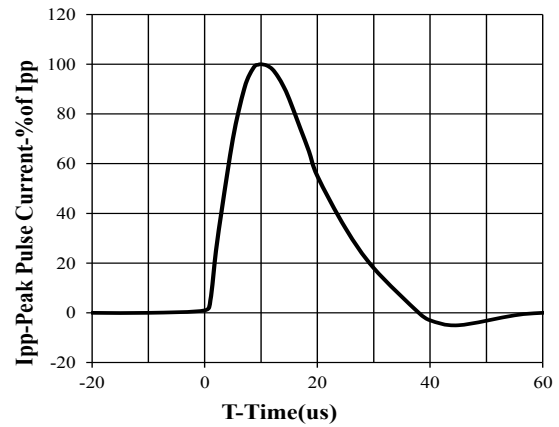
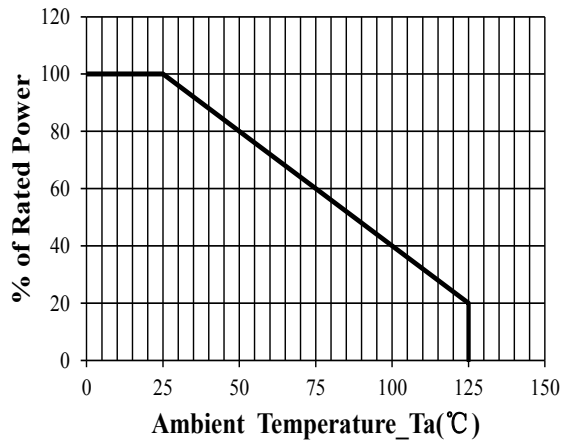
Symbol	Parameter	Value	Unit
PPK	Peak Pulse Power	400	W
IPP	Peak Pulse Current	20	A
VESD (Contact)	Contact ESD Voltage per IEC61000-4-2	20	kV
VESD (Air)	Air ESD Voltage per IEC61000-4-2	20	kV
TJ	Junction Temperature	-55 to +125	°C
TSTG	Storage Temperature	-55 to +150	°C

SLVU2.8-4

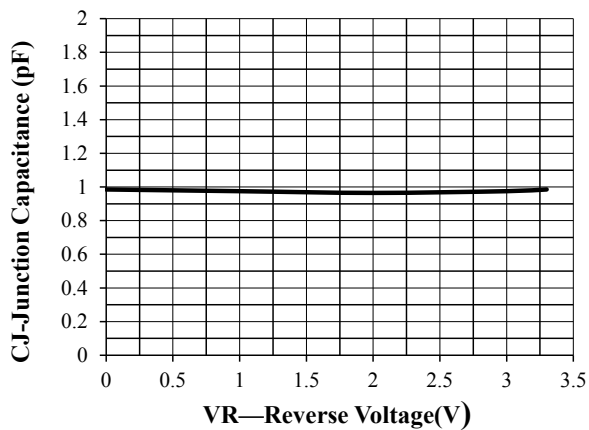
Electrical Characteristics (Ta = 25°C)

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

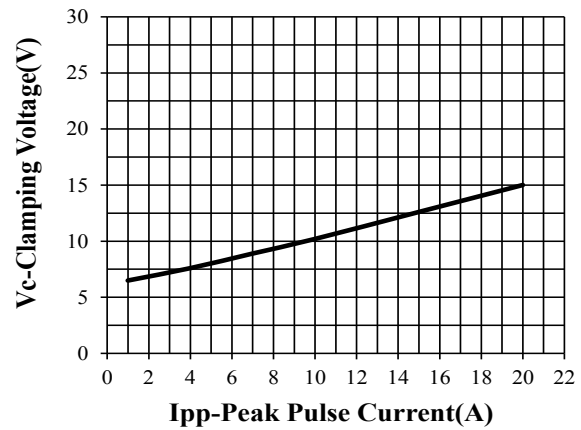
RATING AND CHARACTERISTIC CURVES (SLVU2.8-4)



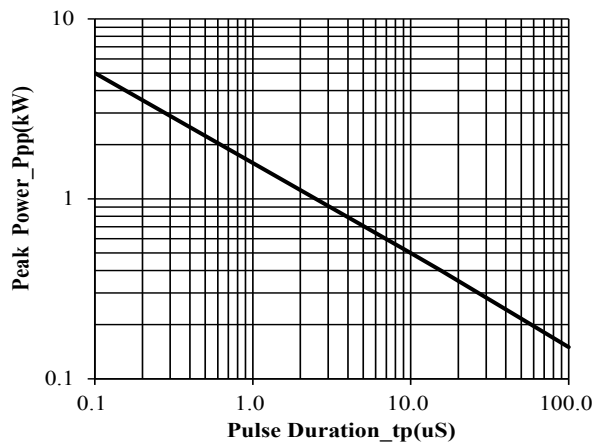
8 X 20us Pulse Waveform



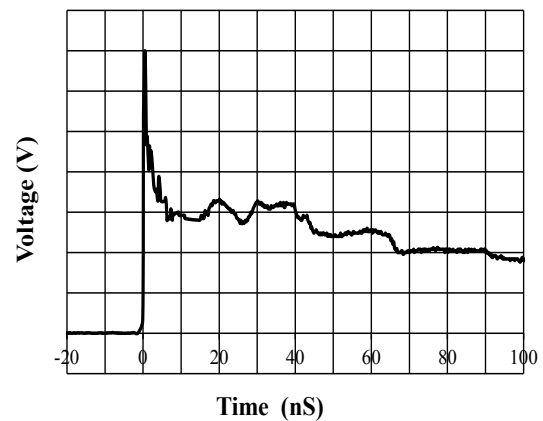
Junction Capacitance vs. Reverse Voltage



Clamping Voltage vs. Peak Pulse Current



Peak Pulse Power vs. Pulse Time



IEC61000-4-2 Pulse Waveform