

## Features

- Protects Two Line Pairs(Four Lines)
- Low Capacitance
- Low Leakage Current
- For Space Saving Application
- Low Operating and Clamping Voltages
- Moisture Sensitivity Level 1
- Epoxy Meets UL 94 V-0 Flammability Rating
- Halogen Free Available Upon Request By Adding Suffix "-HF"
- Lead Free Finish/RoHS Compliant ("P" Suffix Designates RoHS Compliant. See Ordering Information)

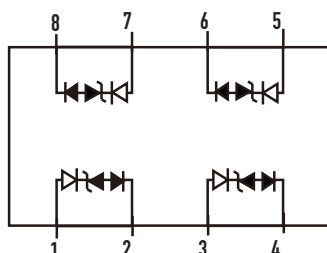
## Maximum Ratings

- Operating Junction Temperature Range: -55°C to +125°C
- Storage Temperature Range: -55°C to +150°C

MCC Part Number	Device Marking
SLVU2.8-4	2.8-4

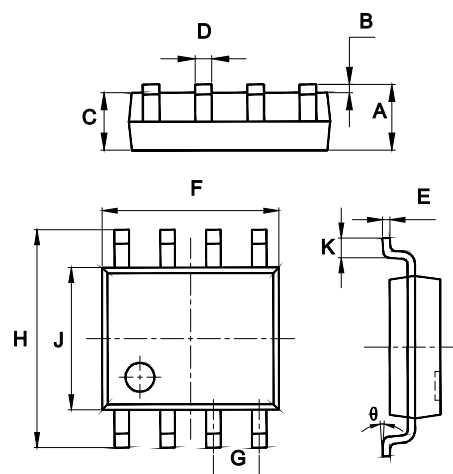
IEC61000-4-2(ESD)	Air Contact	±30KV ±30KV
IEC61000-4-5 (Lightning) Peak Pulse Current(8/20μs)	I <sub>PP</sub>	30A
Peak Pulse Power (8/20μs)	P <sub>PK</sub>	600W

## Circuit and Pin Schematic



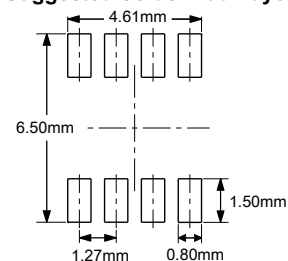
## ESD Protection Device

### SOP-8



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.053	0.069	1.35	1.75	
B	0.004	0.010	0.10	0.25	
C	0.053	0.061	1.35	1.55	
D	0.013	0.020	0.33	0.51	
E	0.007	0.010	0.17	0.25	
F	0.185	0.200	4.70	5.10	
G	0.050		1.270		TYP.
H	0.228	0.244	5.80	6.20	
J	0.150	0.157	3.80	4.00	
K	0.016	0.050	0.40	1.27	
θ	0°	8°	0°	8°	

### Suggested Solder Pad Layout



**Electrical Characteristics @ 25°C (Unless Otherwise Specified)**

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Units
Reverse Working Voltage	$V_{RWM}$				2.8	V
Reverse Breakdown Voltage	$V_{BR}$	$I_T=2\mu A$	3			V
Reverse Leakage Current	$I_R$	$V_{RWM}=2.8V$			1	$\mu A$
Clamping Voltage	$V_C$	$I_{PP}=2A, t_p=8/20\mu s$			5	V
Clamping Voltage	$V_C$	$I_{PP}=5A, t_p=8/20\mu s$			12	V
Clamping Voltage	$V_C$	$I_{PP}=30A, t_p=8/20\mu s$			21	V
Junction Capacitance	$C_J$	$V_R = 0V, f = 1MHz$		1	2	pF

## Curve Characteristics

Fig. 1 - 8 X 20 $\mu$ s Pulse Waveform

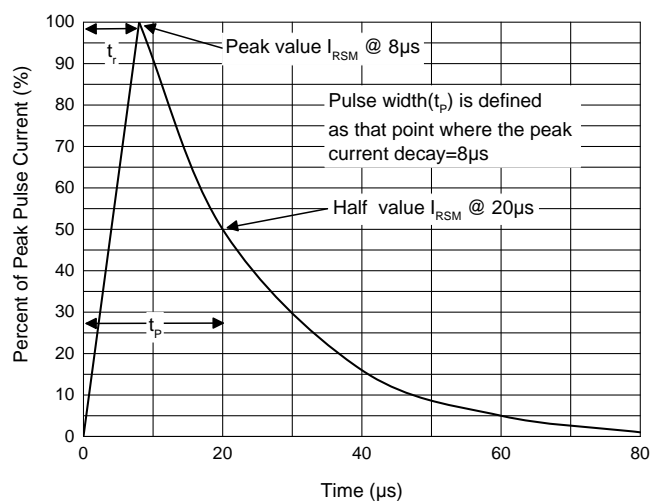


Fig. 2 - Pulse Derating Curve

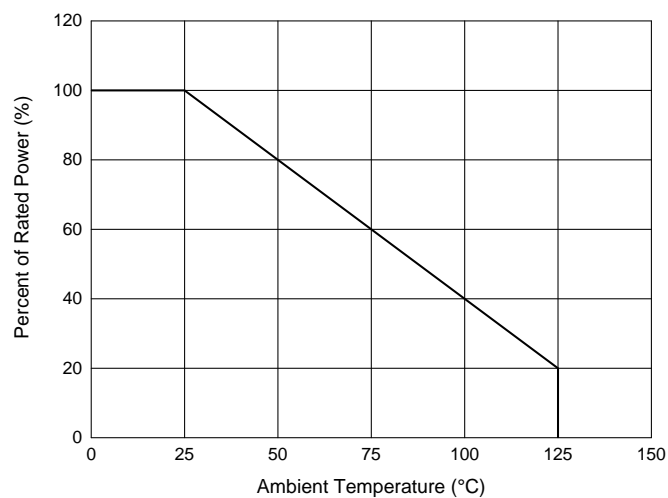


Fig. 3 - Capacitance Characteristics

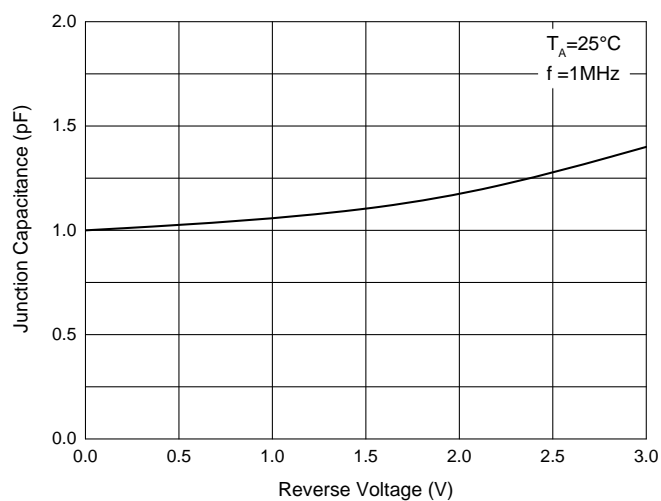
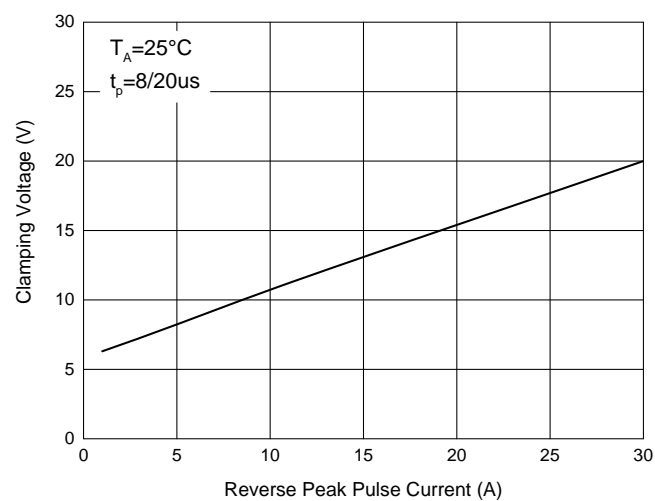


Fig. 4 - Clamping Voltage Characteristics



## Ordering Information

Device	Packing
Part Number-TP	Tape&Reel: 2.5Kpcs/Reel

Note : Adding "-HF" Suffix for Halogen Free, eg. Part Number-TP-HF

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