



Micro Commercial Components

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SLVU2.8-4

2.8 Volts ESD Protection Device

Features

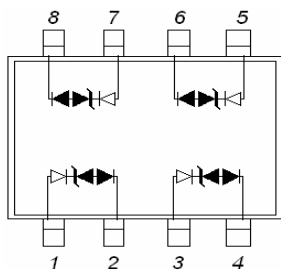
- Halogen free available upon request by adding suffix "-HF"
- 600 W Peak Pulse Power per Line (tp=8/20s)
- Protects two line pairs(four lines).
- Low capacitance
- Low Leakage Current
- For space saving application
- Low Operating and Clamping Voltages.
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

Maximum Ratings

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

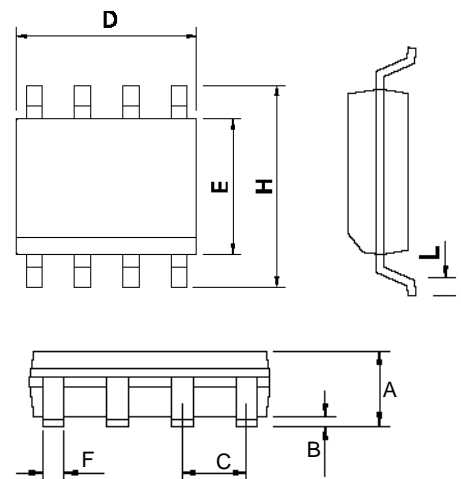
Parameter	Symbol	Limits	unit
IEC61000-4-2(ESD) Air Contact		±25 ±15	KV
Peak Power Dissipation@8/20us	Ppk	600	W

Pin Configuration



Marking Code:2.8-4

SOP-8



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.053	.069	1.35	1.75	
B	.004	.010	0.10	0.25	
C	0.050BSC		1.27BSC		
F	.013	.020	0.33	0.51	
D	.189	.197	4.80	5.00	
E	.150	.157	3.80	4.00	
H	.228	.244	5.80	6.20	
L	.016	.040	0.40	1.04	

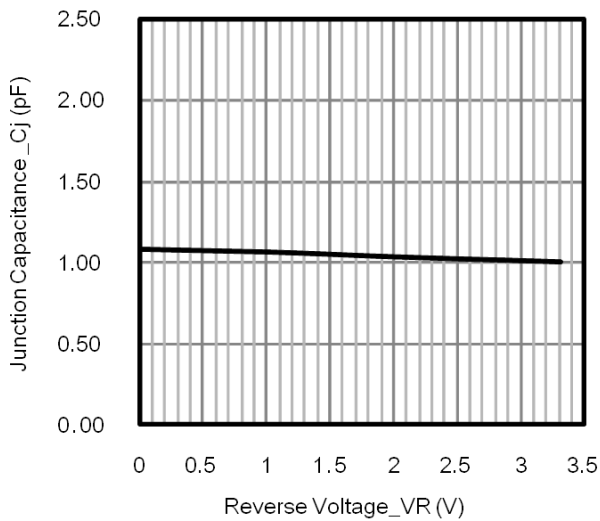


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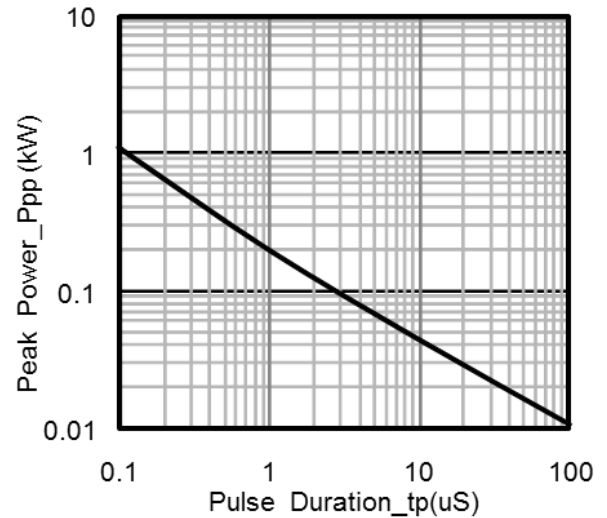
Electrical Characteristics (T_A=25°C unless otherwise specified)

Parameter	Symbol	Min	Typ	Max	Unit	Test Condition
Reverse Working Voltage	V _{RWM}			2.8	V	
Breakdown Voltage	V _{BR}	3.0			V	I _T = 2μA
Reverse Leakage Current	I _R			1.0	μA	V _{RWM} = 2.8V
Clamping Voltage	V _C			5.5	V	I _{PP} = 2A (8 x 20μs pulse)
Clamping Voltage	V _C			8.5	V	I _{PP} = 5A (8 x 20μs pulse)
Clamping Voltage	V _C		15		V	I _{PP} = 24A (8 x 20μs pulse)
Junction Capacitance	C _J		1		pF	V _R = 0V, f = 1MHz

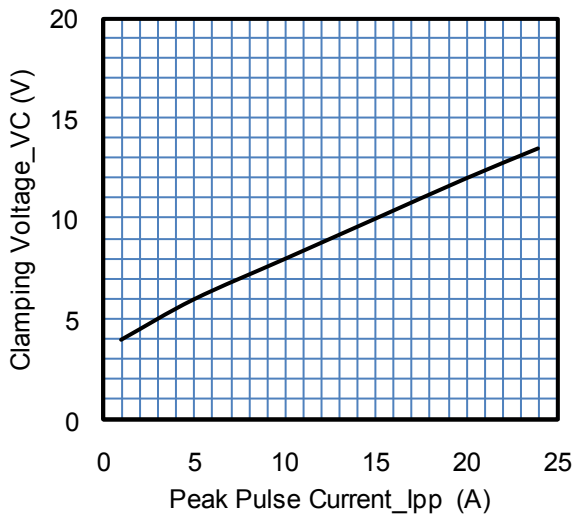
Typical Performance Characteristics (T_A=25°C unless otherwise Specified)



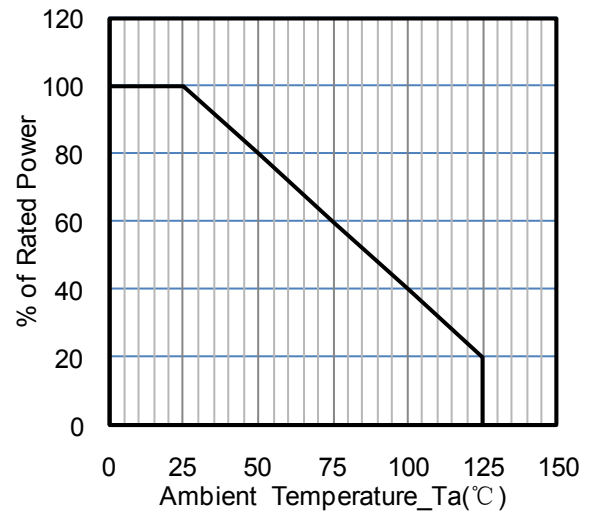
Junction Capacitance vs. Reverse Voltage



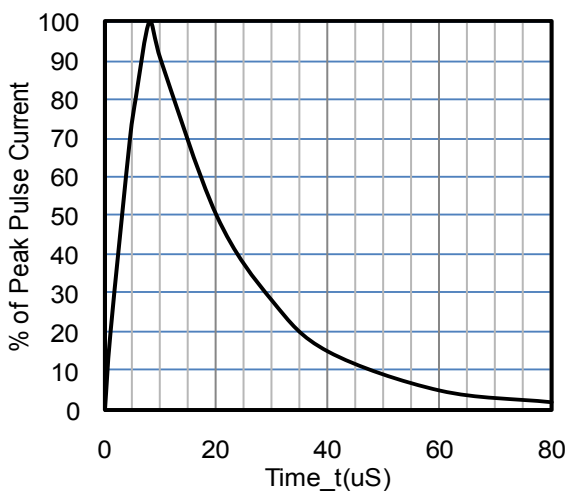
Peak Pulse Power vs. Pulse Time



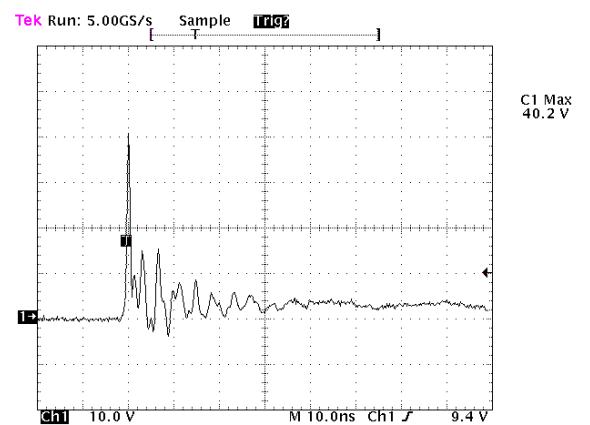
Clamping Voltage vs. Peak Pulse Current



Power Derating Curve



8 X 20us Pulse Waveform



ESD Clamping Voltage

8 kV Contact per IEC61000-4-2



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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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