Micro Commercial Components

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ESDLC2V8P8U

2.8 Volts ESD Protection Device

Features

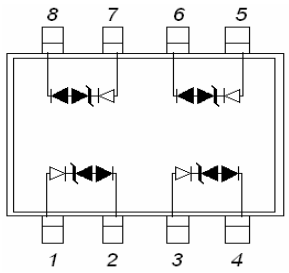
- Halogen free available upon request by adding suffix "-HF"
- 400 W Peak Pulse Power per Line (tp=8/20s)
- Protects two line pairs(four lines).
- Low capacitance
- Low Leakage Current
- For space saving application
- Low Operating and Clamping Voltages.
- Epoxy meets UL 94 V-0 flammability rating
-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

Maximum Ratings

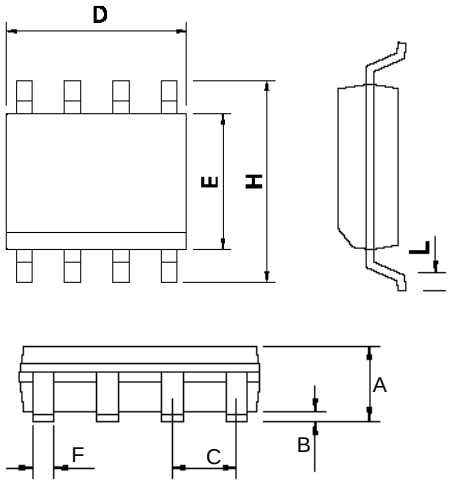
- Operating Junction &StorageTemperature: -55°C to +150°C

Parameter		Symbol	Limits	unit
IEC61000-4-2(ESD)	Air Contact		±15 ±8	KV
Peak Power Dissipation@8/20us		Ppk	400	W

PinConfiguration



SOP-8



DIMENSIONS					
	INCHES		MM		
DIM	MIN	MAX	MIN	MAX	NOTE
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 noted,)

Device*	Device Marking	V_{RWM} (V)	I_D (μ A) @ V_{RWM}	V_{BR} (V) @ I_T		I_T	V_C (V) @Max I_{PP}=1A	V_C (V) @Max I_{PP}=5A	I_{PP}(A)	C (pF)
		Max	Max	Min	Max	mA	Max	Max	Max	Max
ESDLC2V8P8U	---	2.8	1	3.0	---	1.0	5.0	8.0	---	0.7

Typical Characteristics

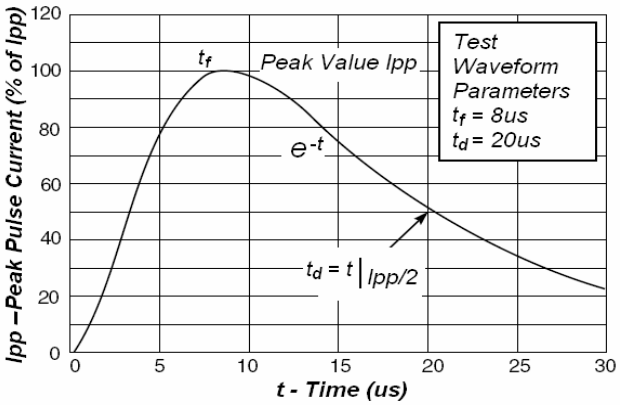


Fig1. Pulse Waveform

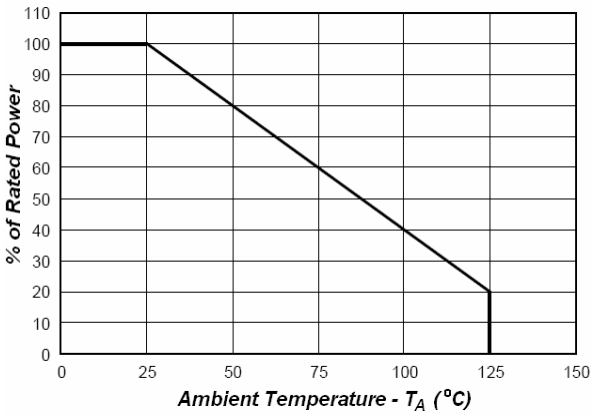


Fig2. Power Derating Curve

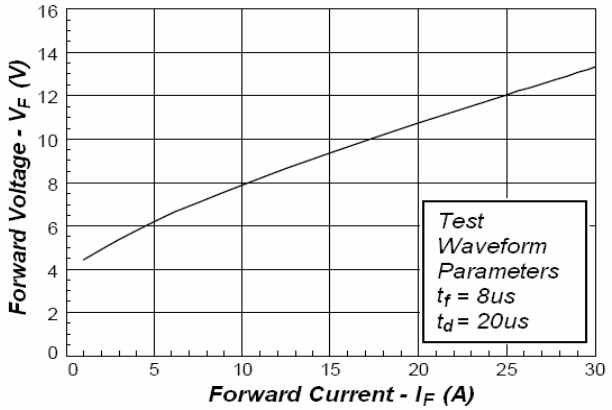


Fig3. Forward Voltage vs.Forward Current

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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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