



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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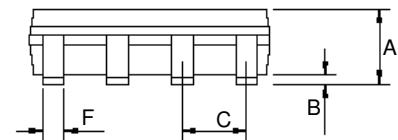
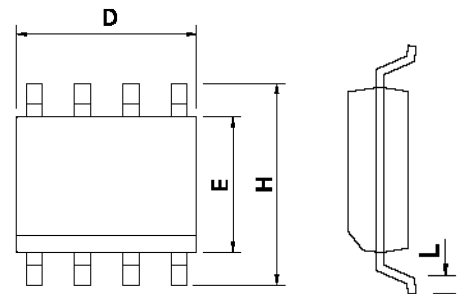
Micro Commercial Components

Micro Commercial Components
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 Phone: (818) 701-4933
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ESDLC2V8P8U

2.8 Volts ESD Protection Device

SOP-8



DIM	DIMENSIONS				NOTE
	INCHES		MM		
	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	

Features

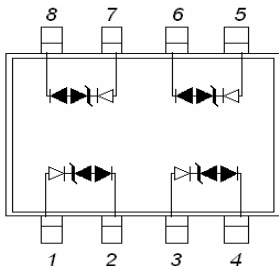
- Halogen free available upon request by adding suffix "-HF"
- 400 W Peak Pulse Power per Line (tp=8/20s)
- Protects two line pairs(four lines).
- Low capacitance
- Low Leakage Current
- For space saving application
- Low Operating and Clamping Voltages.
- Epoxy meets UL 94 V-0 flammability rating
-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

Maximum Ratings

- Operating Junction & Storage Temperature: -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

Pin Configuration



ELECTRICAL CHARACTERISTICS ($T_A = 25^\circ\text{C}$ 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

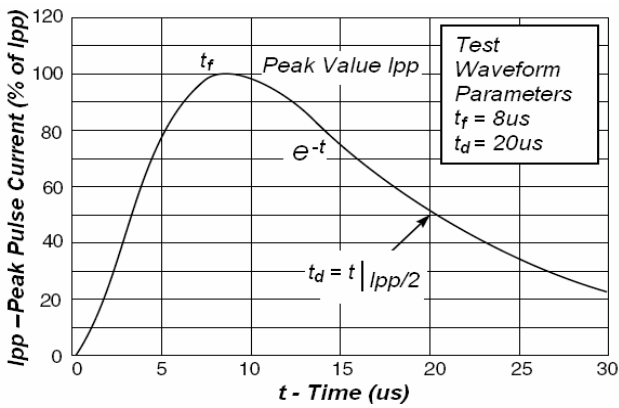


Fig1. Pulse Waveform

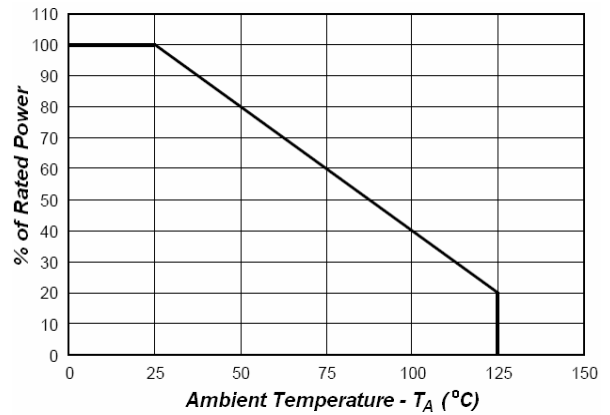


Fig2. Power Derating Curve

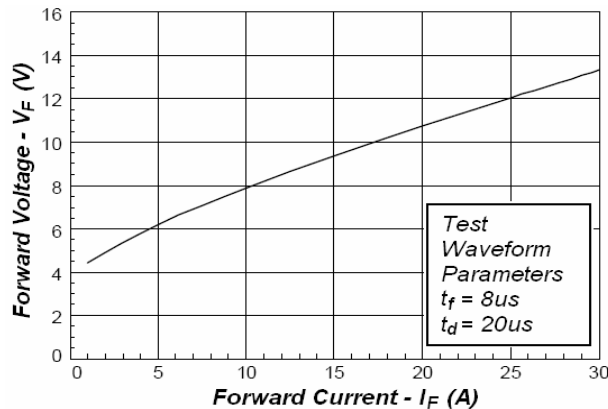


Fig3. Forward Voltage vs. Forward Current



Micro Commercial Components

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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