



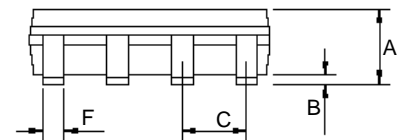
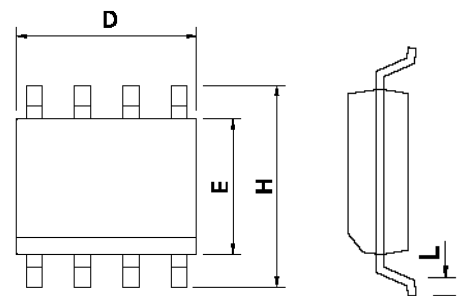
Micro Commercial Components

Micro Commercial Components  
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# ESD2V8P8U

## 2.8 Volts ESD Protection Device

### 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	

## Features

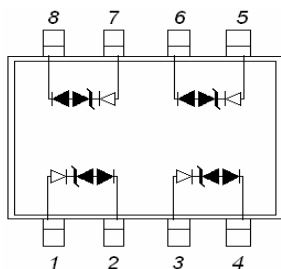
- Halogen free available upon request by adding suffix "-HF"
- 400 W Peak Pulse Power per Line (tp=8/20s)
- Protects two line pairs(four lines).
- Low capacitance
- Low Leakage Current
- For space saving application
- Low Operating and Clamping Voltages.
- Epoxy meets UL 94 V-0 flammability rating
-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

## Maximum Ratings

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

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

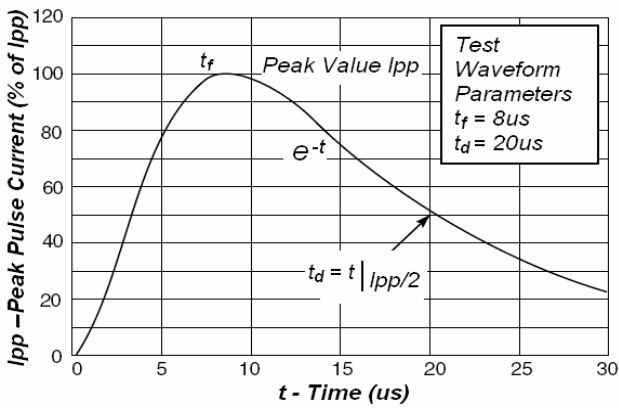
## Pin Configuration



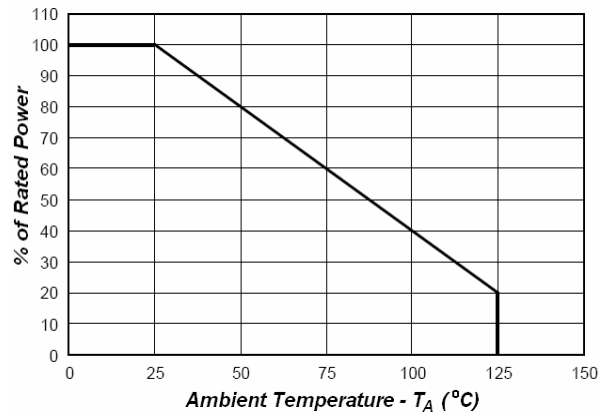
**ELECTRICAL CHARACTERISTICS** ( $T_A = 25^\circ\text{C}$  unless otherwise noted, )

Device*	Device Marking	$V_{RWM}$ (V)	$I_D$ ( $\mu$ A) @ $V_{RWM}$	$V_{BR}$ (V) @ $I_T$		$I_T$ mA	$V_C$ (V) @Max $I_{PP}=1A$	$V_C$ (V) @Max $I_{PP}=5A$	$I_{PP}$ (A) Max	C (pF) Max
				Max	Max		Min	Max		
ESD2V8P8U	---	2.8	1	3.0	---	1.0	5.5	8.5	---	3

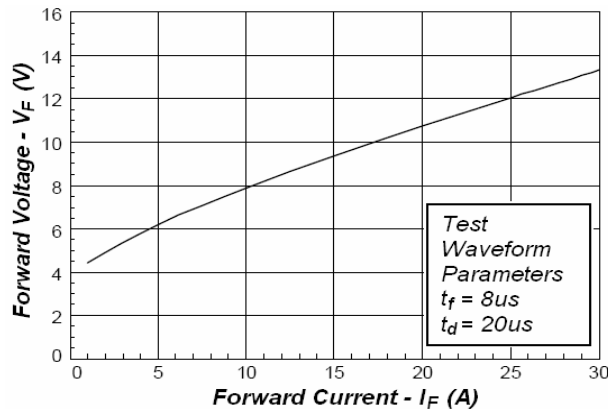
**Typical Characteristics**



**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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