

### **Features**

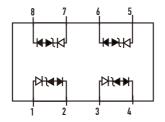
- Protects Two Line Pairs(Four Lines)
- · Low Capacitance
- Low Leakage Current
- · For Space Saving Application
- · Low Operating and Clamping Voltages
- · Moisture Sensitivity Level 1
- Epoxy Meets UL 94 V-0 Flammability Rating
- · Halogen Free Available Upon Request By Adding Suffix "-HF"
- Lead Free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

## **Maximum Ratings**

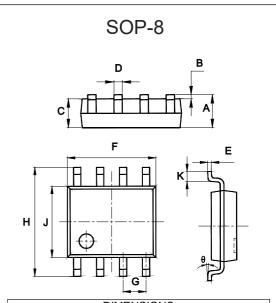
- Operating Junction Temperature Range: -55°C to +150°C
- Storage Temperature Range: -55°C to +150°C

IEC61000-4-2(ESD)	Air Contact	±15KV ±8KV
Peak Pulse Power (8/20us)	P <sub>PK</sub>	400W

## **Internal Structure**

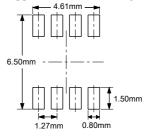


# ESD Protection Device



DIMENSIONS						
DIM INCHES		HES	MM		NOTE	
DIIVI	MIN	MAX	MIN	MAX	NOTE	
Α	0.053	0.069	1.35	1.75		
В	0.004	0.010	0.10	0.25		
С	0.053	0.061	1.35	1.55		
D	0.013	0.020	0.33	0.51		
Е	0.007	0.010	0.17	0.25		
F	0.185	0.200	4.70	5.10		
G	0.0	)50	1.2	270	TYP.	
Н	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**



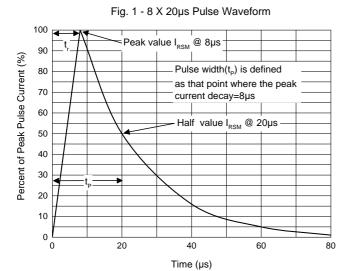


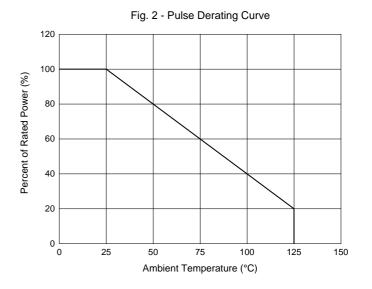
## Electrical Characteristics @ 25°C (Unless Otherwise Specified)

Parameter	Symbol	Conditions	Min.	Тур.	Max.	Units
Reverse Working Voltage	$V_{RWM}$				2.8	V
Reverse Breakdown Voltage	$V_{BR}$	I <sub>T</sub> = 1mA	3			V
Reverse Leakage Current	I <sub>R</sub>	V <sub>RWM</sub> =2.8V			1	μA
Clamping Voltage	V <sub>C</sub>	I <sub>PP</sub> =1A, t <sub>P</sub> =8/20µs			5	V
Clamping Voltage	V <sub>C</sub>	I <sub>PP</sub> =5A, t <sub>P</sub> =8/20µs			8	V
Junction Capacitance	CJ	$V_R = 0V$ , $f = 1MHz$		0.7		pF



## **Curve 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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