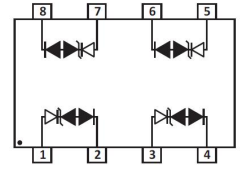


## Low Capacitance TVS Diode Array

### APPLICATION

- ◆ WAN/LAN Equipment
- ◆ Switching systems
- ◆ Instrumentation
- ◆ Audio/Video Inputs
- ◆ 10/100/1000 Ethernet



### IEC COMPATIBILITY

- ◆ IEC61000-4-2 (ESD) ±15kV (air), ±8kV (contact)
- ◆ IEC61000-4-4 (EFT) 40A (5/50ns)
- ◆ IEC61000-4-5 (Lightning) 24A (8/20μs)

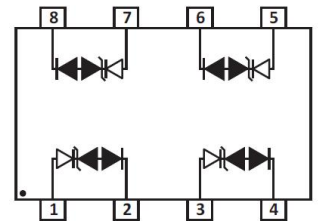
Package: SOP-8



Contact: ±8kV Air: ±15kV

### FEATURES

- ◆ Low reverse current
- ◆ Low junction capacitance



### PIN CONFIGURATION

### Electrical Characteristics

#### MAXIMUM RATINGS @ 25°C UNLESS OTHERWISE SPECIFIED

PARAMETER	SYMBOL	VALUE	UNIT
Peak Pulse Power (tp=8/20μs waveform)	P <sub>PP</sub>	400	Watts
Lead Soldering Temperature	T <sub>L</sub>	260(10 sec.)	°C
Operating Temperature Range	T <sub>J</sub>	-55~150	°C
Storage Temperature Range	T <sub>STG</sub>	-55~150	°C

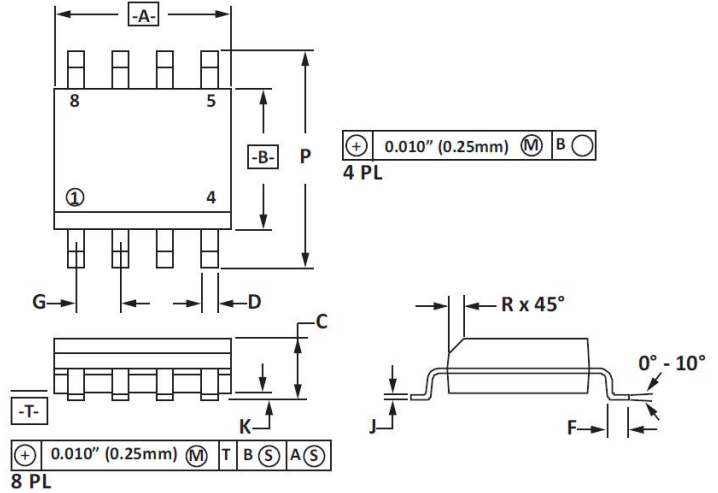
### Electrical Characteristics

Part Number	VRWM	VBR	IR (max)	Co Max value	Vc @1A Max	Vc		Ppp 8/20us	Package
	V	V	(uA)	pF	V	V <sub>max</sub>	@A	W	
SEH2814S8	2.8	3	1	1.0	5	8.5	5	400	SOP-8

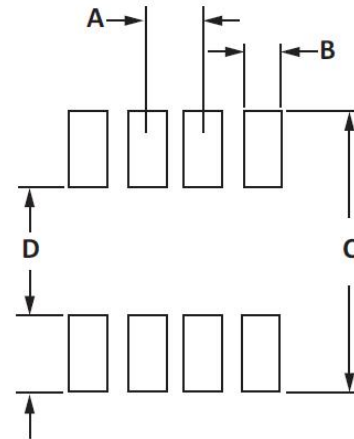
## Low Capacitance TVS Diode Array

### SOP-8 PACKAGE INFORMATION

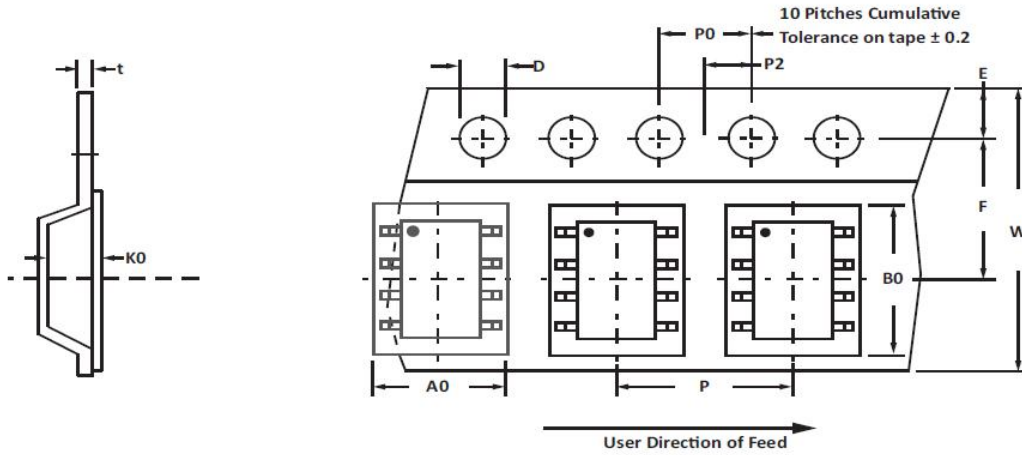
OUTLINE DIMENSIONS				
DIM	MILLIMETERS		INCHES	
	MIN	MAX	MIN	MAX
A	4.80	5.00	0.189	0.196
B	3.80	4.00	0.150	0.157
C	1.35	1.75	0.054	0.068
D	0.35	0.49	0.014	0.019
F	0.40	1.25	0.016	0.049
G	1.27 BSC		0.05 BSC	
J	0.18	0.25	0.007	0.009
K	0.10	0.25	0.004	0.008
P	5.80	6.20	0.229	0.244
R	0.25	0.50	0.010	0.019



PAD LAYOUT DIMENSIONS				
DIM	MILLIMETERS		INCHES	
	MIN	MAX	MIN	MAX
A	1.14	1.40	0.045	0.055
B	0.64	0.89	0.025	0.035
C	6.22	-	0.245	-
D	3.94	4.17	0.155	0.165
E	1.02	1.27	0.040	0.050



**Low Capacitance TVS Diode Array**  
**TAPE AND REEL**



**SPECIFICATIONS**

REEL DIA.	TAPE WIDTH	A0	B0	K0	D	E	F	W	P0	P2	P	tmax
178mm (7")	12mm	6.50 ± 0.10	5.40 ± 0.10	2.00 ± 0.10	1.50 ± 0.10	1.75 ± 0.10	5.50 ± 0.05	12.0 ± 0.30	4.00 ± 0.10	2.00 ± 0.05	4.00 ± 0.10	0.25

**NOTES**

1. Dimensions are in millimeters.
2. Surface mount product is taped and reeled in accordance with EIA-481.
3. Suffix - T7 = 7" Reel - 1,000 pieces per 12mm tape.

**Ordering Information**

Part Number	Qty per Reel	Reel Size	Package
<b>SEH2814S8</b>	1000pcs	7inch	SOP-8