

## 2- Line Ultra Low Capacitance TVS Diode Array

### APPLICATION

- ◆ Cellular Handsets and Accessories
- ◆ USB Ports
- ◆ Video Interface
- ◆ MDDI Ports



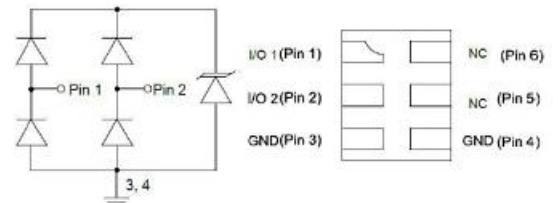
### IEC COMPATIBILITY

Package: DFN1610

- ◆ IEC61000-4-2 (ESD) ±25kV (air), ±15kV (contact)
- ◆ IEC61000-4-5 (Lightning) 5A (8/20ns)

### FEATURES

- ◆ Ultra small package: 1.6x1.0x0.75mm
- ◆ Ultra low capacitance: 0.6pF typical
- ◆ Working voltage: 5V
- ◆ 2-pin leadless package



Circuit Schematic

PIN Schematic

### Electrical Characteristics

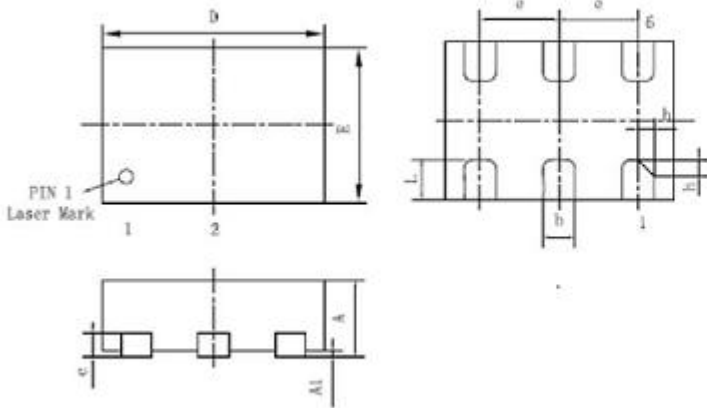
Parameter	Symbol	Value	Unit
Peak Pulse Power (tp=8/20μs waveform)	P <sub>ppp</sub>	75	W
Peak Pulse Current (8/20μs)	I <sub>pp</sub>	5	A
ESD per IEC 61000-4-2 (Air)	V <sub>ESD</sub>	±25	kV
ESD per IEC 61000-4-2 (Contact)		±15	
Operating Temperature Range	T <sub>J</sub>	-55 to +125	°C
Storage Temperature Range	T <sub>stg</sub>	-55 to +150	°C

### Electrical Characteristics

Part Number	VRWM	VBR	IR (max)	Co Max value	Vc @1A Max	Vc @5A Max	Ppp 8/20us	Delivery Time
	V	V	(uA)	pF	V	V <sub>max</sub>	W	Days
HAH0512P6	5	6	0.5	0.8	10	15	75	7days

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Package Mechanical Data



SYM	DIMENSIONS		
	MILLIMETERS		
	MIN	NOM	MAX
A	0.70	0.75	0.80
A1	--	0.02	0.05
b	0.17	0.20	0.25
c	0.15	0.20	0.25
D	1.55	1.60	1.65
E	0.90	1.00	1.10
e	0.50 BSC		
L	0.20	0.25	0.30
h	0.08	0.10	0.12

Ordering Information

Part Number	Qty per Reel	Reel Size	Package	Delivery Time
<b>HAH0512P6</b>	3000pcs	7inch	DFN1610	7days

Specifications are subject to change without notice

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