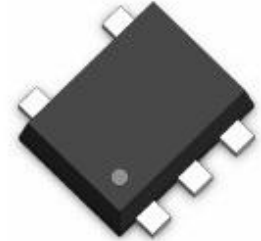


## 4-Line Low Capacitance TVS Diode Array



### APPLICATION

- ◆ Cellular Handsets and Accessories
- ◆ Personal Digital Assistants
- ◆ Notebooks and Handhelds
- ◆ Portable Instrumentation
- ◆ Digital Cameras
- ◆ Peripherals
- ◆ Audio Players
- ◆ Keypads, Side Keys, LCD Displays



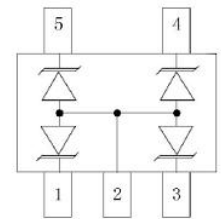
### IEC COMPATIBILITY

Package: SOT-553

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

### FEATURES

- ◆ Low capacitance: 3.5pF typical (I/O to I/O)
- ◆ Ultra low leakage: nA level
- ◆ Low operating voltage: 5V
- ◆ Low clamping voltage
- ◆ Up to 4 lines protects
- ◆ JEDEC SOT-553 package



Circuit and Pin Schematic

### Electrical Characteristics

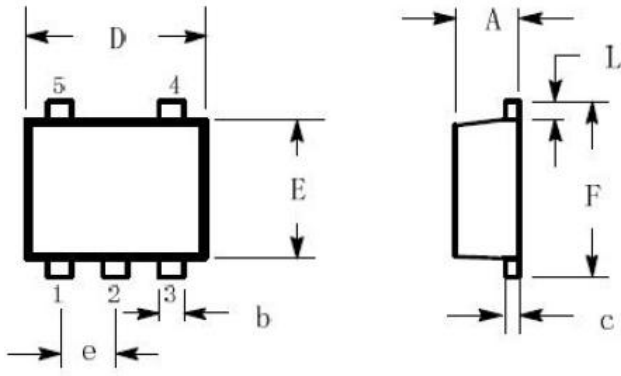
Parameter	Symbol	Value	Unit
Peak Pulse Power(tp=8/20uS waveform)	P <sub>PPP</sub>	24	W
Peak Pulse Current(tp=8/20uS waveform)	I <sub>PP</sub>	2	A
ESD per IEC 61000-4-2 (Air)	V <sub>ESD</sub>	±15	kV
ESD per IEC 61000-4-2 (Contact)		±8	
Operating Temperature Range	T <sub>J</sub>	-55 to +125	°C
Storage 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 @ A Max	Ipp@8/2 0us	Ppp 8/20us	Delivery Time
	V	V	(uA)	pF	V	V	A max	W	Days
<b>HAL0514S5</b>	<b>5</b>	<b>6</b>	<b>0.1</b>	<b>8</b>	<b>10.5</b>	<b>12</b>	<b>2</b>	<b>24</b>	<b>7days</b>

4-Line Low Capacitance TVS Diode Array

Package Mechanical Data



SYM	DIMENSIONS					
	MILLIMETERS			INCHES		
	MIN	NOM	MAX	MIN	NOM	MAX
A	0.50	0.55	0.60	0.020	0.022	0.024
b	0.17	0.22	0.27	0.007	0.009	0.011
c	0.08	0.13	0.18	0.003	0.005	0.007
D	1.50	1.60	1.70	0.059	0.063	0.067
e	0.50BSC			0.020BSC		
E	1.10	1.20	1.30	0.043	0.047	0.051
L	0.10	0.20	0.30	0.004	0.008	0.012
F	1.50	1.70	1.80	0.059	0.063	0.067

Ordering Information

Part Number	Qty per Reel	Reel Size	Package	Delivery Time
HAL0514S5	3000pcs	7inch	SOT-553	7days