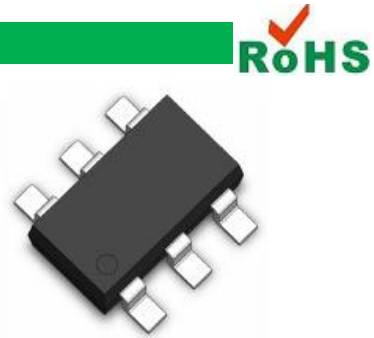


## 4-Line Ultra Low Capacitance TVS Diode Array

### APPLICATION

- ◆ USB 2.0 and USB 3.0 Ports
- ◆ Digital Visual Interface (DVI)
- ◆ Monitor and Flat Panel Displays
- ◆ PCI Express and Serial SATA Ports
- ◆ Gigabit Ethernet
- ◆ IEEE 1394 Firewire Ports
- ◆ Consumer products (STB, DVD, DSC, DVC...)



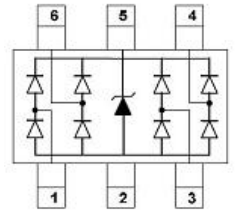
### IEC COMPATIBILITY

Package: SOT-363

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

### FEATURES

- ◆ Low leakage current
- ◆ Operating voltage: 5V
- ◆ Low clamping voltage



Circuit and Pin Schematic

### Electrical Characteristics

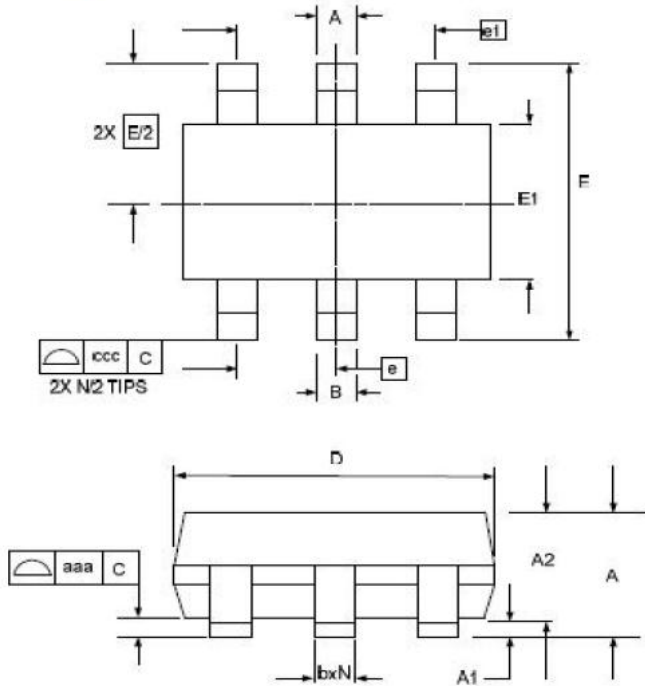
Parameter	Symbol	Value	Unit
Peak Pulse Power (tp=8/20µs waveform)	$P_{pp}$	75	W
Peak Pulse Current (8/20µs)	$I_{pp}$	5	A
ESD per IEC 61000-4-2 (Air)	$V_{ESD}$	±25	kV
ESD per IEC 61000-4-2 (Contact)		±20	
Operating Temperature Range	$T_J$	-55 to +125	°C
Storage Temperature Range	$T_{stg}$	-55 to +150	°C

### Electrical Characteristics

Part Number	VRWM	VBR	IR (max)	Co Max value	Vc @1A Max	Vc @ A Max	Ipp@8/20us	Ppp 8/20us	Delivery Time
	V	V	(µA)	pF	V	V	A max	W	Days
HAH0514S3	5	6	0.5	0.8	10	15	5	75	7days

4-Line Ultra Low Capacitance TVS Diode Array

Package Mechanical Data



SYM	DIMENSIONS					
	INCHES			MILLIMETERS		
	MIN	NOM	MAX	MIN	NOM	MAX
A	-	-	.043	-	-	1.10
A1	.000	-	.004	0.00	-	0.10
A2	.028	.035	.039	0.70	0.79	1.00
b	.006	-	.012	0.15	-	0.30
c	0.03	-	.009	0.08	-	0.22
D	.075	.079	.087	1.90	2.00	2.20
E1	.045	.049	.053	1.15	1.25	1.35
E	.083BSC			2.10BSC		
e	.026BSC			0.65BSC		
e1	.051BSC			1.30BSC		
L	.010	.014	.018	0.26	0.36	0.46
L1	(.017)			(0.42)		
N	6			6		
θ	0°	-	8°	0°	-	8°

Ordering Information

Part Number	Qty per Reel	Reel Size	Package	Delivery Time
HAH0514S3	3000pcs	7inch	SOT-363	7days