

1-Line Uni-directional Ultra Low Capacitance TVS Diode Array

APPLICATION

- ◆ Cellular Handsets and Accessories
- ◆ Display Ports
- ◆ MDDI Ports
- ◆ USB Ports
- ◆ Digital Visual Interface (DVI)
- ◆ PCI Express and Serial SATA Ports



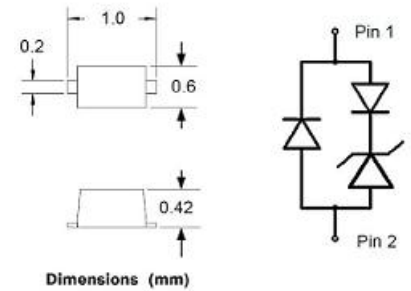
IEC COMPATIBILITY

Package: SOD-923

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

FEATURES

- ◆ Ultra small package: 1.0X0.6X0.42mm
- ◆ Protects one data or power line
- ◆ Working voltage: 5V
- ◆ Very low capacitance: 0.6pF typical
- ◆ 2-pin leadless package



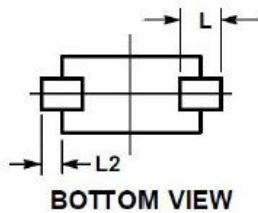
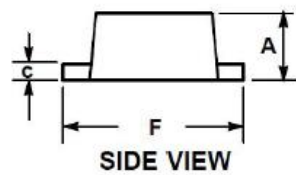
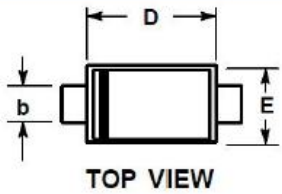
Electrical Characteristics

Parameter	Symbol	Value	Unit
Peak Pulse Power (tp=8/20µs waveform)	P _{ppp}	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

Part Number	VRWM	VBR	IR (max)	Co Max value	Vc @1A Max	Vc @5A Max	Ppp 8/20us	Delivery Time
	V	V	(µA)	pF	V	V	W	Days
HAH0511D9	5.0	6.0	0.5	0.8	10	15	75	7days

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Package Mechanical Data



SYM	DIMENSIONS					
	MILLIMETERS			INCHES		
	MIN	NOM	MAX	MIN	NOM	MAX
A	0.39	0.42	0.45	0.016	0.017	0.018
b	0.15	0.20	0.25	0.006	0.008	0.010
c	0.07	0.12	0.17	0.003	0.005	0.007
D	0.75	0.80	0.85	0.030	0.032	0.034
E	0.55	0.60	0.65	0.022	0.024	0.026
F	0.95	1.00	1.05	0.038	0.040	0.042
L	0.19REF			0.007REF		
L2	0.05	0.10	0.15	0.002	0.004	0.006

Ordering Information

Part Number	Qty per Reel	Reel Size	Package	Delivery Time
HAH0511D9	8000pcs	7inch	SOD-923	7days