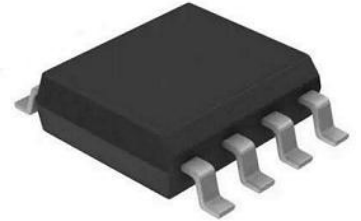


7-Line Low Capacitance TVS Diode Array



**APPLICATION**

- ◆ DVI Ports
- ◆ HDMI Ports
- ◆ Set Top Box
- ◆ Projection TV
- ◆ Notebook Computers
- ◆ 10/100/1000 Ethernet
- ◆ Monitors and Flat Panel Displays



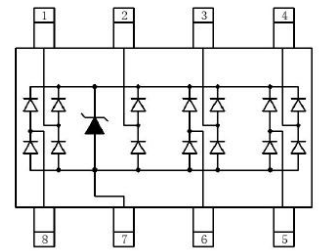
**IEC COMPATIBILITY**

Package: MSOP-8

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

**FEATURES**

- ◆ Low operating voltage: 5V
- ◆ Very low capacitance: 0.8pF
- ◆ Ultra low clamping voltage
- ◆ JEDEC MSOP-8 package



**Electrical Characteristics**

Parameter	Symbol	Value	Unit
Peak Pulse Power (tp=8/20µs waveform)	P <sub>ppp</sub>	100	W
Peak Pulse Current (8/20µs)	I <sub>pp</sub>	5	A
ESD per IEC 61000-4-2 (Air)	V <sub>ESD</sub>	±20	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**

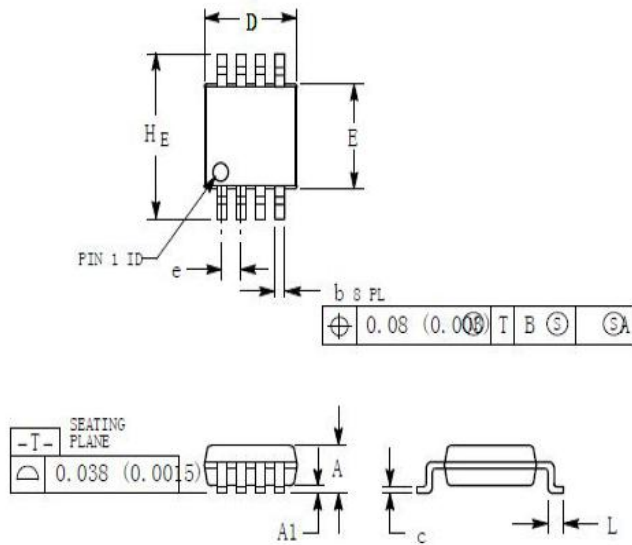
Part Number	VRWM	VBR	IR (max)	Co Max value	Vc @1A Max	Vc @ A Max	Ipp@8/20us	Ppp 8/20us	Delivery Time
	V	V	(µA)	pF	V	V	A max	W	Days
HAH0518M8	5	6	0.5	0.8	12	20	5	100	7days

Specifications are subject to change without notice

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7-Line Low Capacitance TVS Diode Array

Package Mechanical Data



SYM	DIMENSIONS					
	MILLIMETERS			INCHES		
	MIN	NOM	MAX	MIN	NOM	MAX
A	-	-	1.10	-	-	0.043
A1	0.05	0.08	0.15	0.002	0.003	0.006
b	0.25	0.33	0.40	0.010	0.013	0.016
c	0.13	0.18	0.23	0.005	0.007	0.009
D	2.90	3.00	3.10	0.114	0.118	0.122
E	2.90	3.00	3.10	0.114	0.118	0.122
e	0.65BSC			0.026BSC		
L	0.40	0.55	0.70	0.016	0.021	0.028
HE	4.75	4.90	5.05	0.187	0.193	0.199

Ordering Information

Part Number	Qty per Reel	Reel Size	Package	Delivery Time
<b>HAH0518M8</b>	3000pcs	13inch	MSOP-8	7days

Specifications are subject to change without notice

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