

4-Line Low Capacitance TVS Diode Array

APPLICATION

- ◆ USB 2.0 and USB OTG
- ◆ Multi Media Card Interfaces
- ◆ SD Card Interfaces
- ◆ MDDI Ports
- ◆ SIM Ports
- ◆ Key Pads
- ◆ Gigabit Ethernet



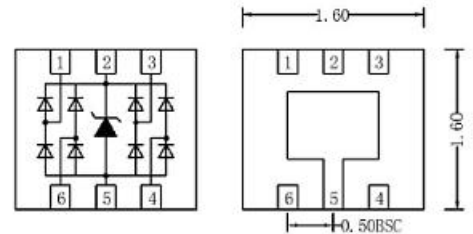
IEC COMPATIBILITY

Package: DFN1616-6

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

FEATURES

- ◆ Ultra low capacitance: 0.4pF typical (I/O to I/O)
- ◆ Ultra low leakage: nA level
- ◆ Working voltage: 5V
- ◆ Low clamping voltage
- ◆ Up to 3 data lines and one power line protects



Electrical Characteristics

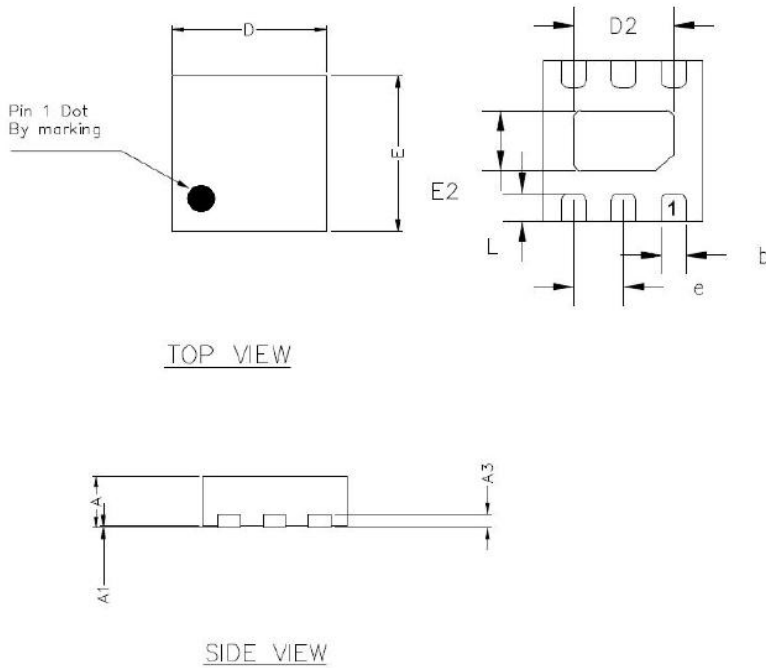
Parameter	Symbol	Value	Unit
Peak Pulse Power(tp=8/20uS waveform)	P _{PPP}	75	W
Peak Pulse Current(tp=8/20uS waveform)	I _{PP}	5	A
ESD per IEC 61000-4-2 (Air)	V _{ESD}	±25	kV
ESD per IEC 61000-4-2 (Contact)		±20	
Operating Temperature Range	T _J	-55 to +125	°C
Storage Temperature Range	T _{stg}	-55 to +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	(uA)	pF	V	V	A max	W	Days
HAH0515P3	5	6	0.5	0.8	10	15	5	75	7days

4-Line ultra Capacitance TVS Diode Array

Package Mechanical Data



SYM	DIMENSIONS		
	MILLIMETERS		
	MIN	NOM	MAX
A	0.50	0.55	0.60
A1	0.00	--	0.05
A3	0.15REF		
D	1.55	1.60	1.65
E	1.55	1.60	1.65
D2	0.90	1.00	1.05
E2	0.50	0.60	0.65
e	0.50 BSC		
L	0.20	0.25	0.30
b	0.20	0.25	0.30

Ordering Information

Part Number	Qty per Reel	Reel Size	Package	Delivery Time
HAH0515P3	3000pcs	7inch	DFN1616-6	7days

Specifications are subject to change without notice

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