

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

APPLICATION

- ◆ USB Ports
- ◆ Smart Phones
- ◆ Wireless Systems
- ◆ Ethernet 10/100/1000 Base-T



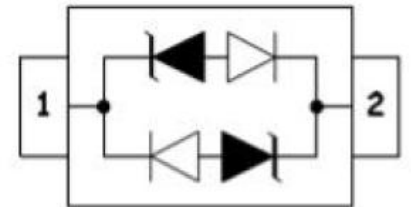
IEC COMPATIBILITY

Package: SOD-323

- ◆ IEC61000-4-2 (ESD) ±30kV (air), ±30kV (contact)
- ◆ IEC61000-4-4 (EFT) 40A (5/50ns)

FEATURES

- ◆ 350W peak pulse power (8/20us)
- ◆ Ultra low capacitance: 0.8pF typical
- ◆ Ultra low leakage: nA level
- ◆ Stand-off Voltage: 3.3 V ~ 24 V
- ◆ Ultra low clamping voltage



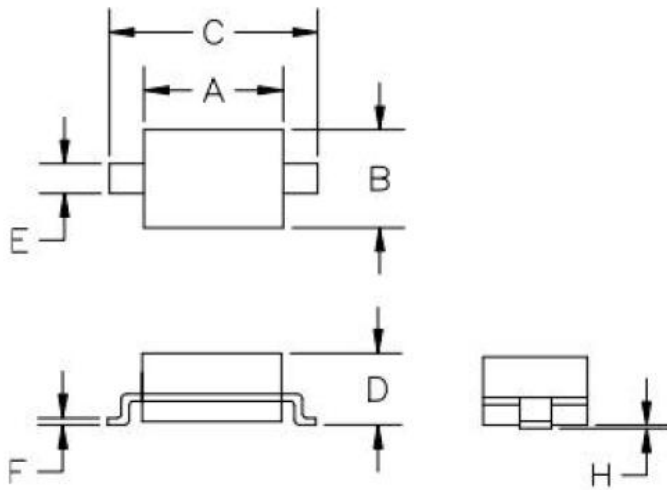
Electrical Characteristics

Parameter	Symbol	Value
Peak Pulse Power (8/20μs)	Ppk	350 W
ESD per IEC 61000-- (Air)	VESD	±30kV
ESD per IEC 61000-- (Contact)		±30kV
Operating Temperature Range	TJ	-55 to +125 °
Storage Temperature Range	Tstg	-55 to +150 °C

Electrical Characteristics

Part Number	VRWM V	VBR V	IR (max) (uA)	Co Max value pF	Vc @1A Max V	Vc @ A Max V	Ipp@8/2 0us A max	Ppp 8/20us W	Delivery Time Days
HAH3301D3	3.3	4	40	1	7	19	20	350	7days
HAH0501D3	5	6.2	10	1	9.8	21	17	350	7days
HAH0801D3	8	8.5	2	1	13.5	25	15	350	7days
HAH1201D3	12	13.3	1	1	19	30	11	350	7days
HAH1501D3	15	16.7	1	1	24	32	10	350	7days
HAH2401D3	24	26.7	1	1	43	43	6	350	7days

Package Mechanical Data



SYM	DIMENSIONS			
	MILLIMETERS		INCHES	
	MIN	MAX	MIN	MAX
A	1.50	1.80	0.060	0.071
B	1.20	1.40	0.045	0.054
C	2.30	2.70	0.090	0.107
D	-	1.10	-	0.043
E	0.30	0.40	0.012	0.016
F	0.10	0.25	0.004	0.010
H	-	0.10	-	0.004

Ordering Information

Part Number	Qty per Reel	Reel Size	Package	Delivery Time
HAHxx01D3	3000pcs	7inch	SOD-323	7days