

1-Line Uni-directional TVS Diode Array

**APPLICATION**

- ◆ Laptop Computers
- ◆ Cellular Phones
- ◆ Digital Cameras
- ◆ Personal Digital Assistants(PDAs)



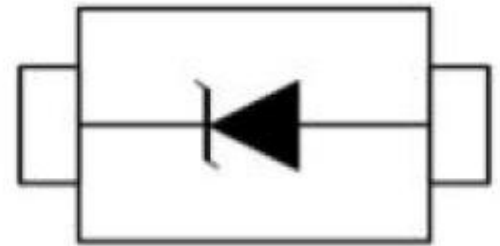
**IEC COMPATIBILITY**

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)
- ◆ Protects one data or power line
- ◆ Ultra low leakage: nA level
- ◆ Stand-off Voltage: 3.3 V ~ 36 V
- ◆ Ultra low clamping voltage



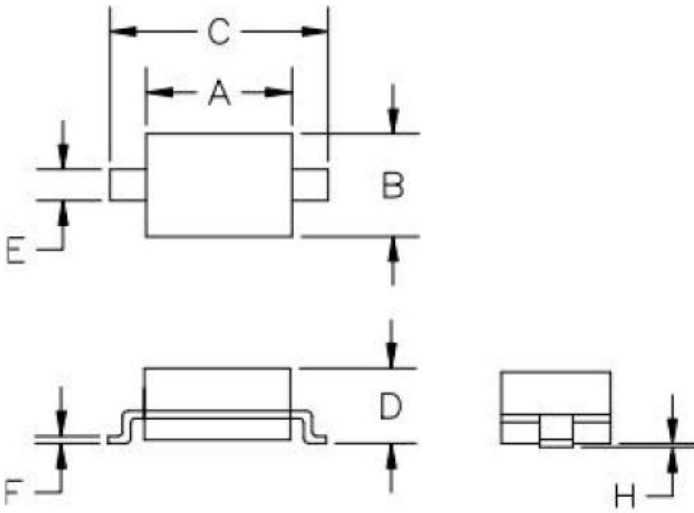
**Electrical Characteristics**

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
HAN3311D3	3.3	4	40	450	6.5	10.5	20	350	7days
HAN0511D3	5	6.2	10	300	9.8	18.6	17	350	7days
HAN1211D3	12	13.3	1	130	19	32	11	350	7days
HAN1511D3	15	16.7	1	120	17.6	38	10	350	7days
HAN2411D3	24	26.7	1	80	43	52	7	350	7days
HAN3611D3	36	40	1	60	60	52	5	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
HANxx11D3	3000pcs	7inch	SOD-323	7days