

1-Line Uni-directional TVS Diode Array

APPLICATION

- ◆ Mobile Phones and Accessories
- ◆ Battery Protection
- ◆ Power Supply Protection
- ◆ Hand Held Portable Applications
- ◆ Peripherals



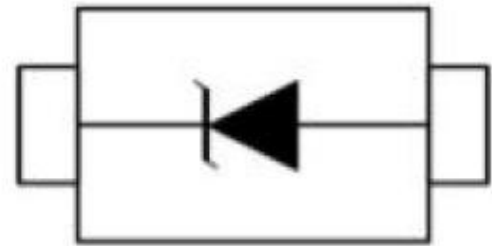
IEC COMPATIBILITY

Package: SOD-323

- ◆ IEC61000-4-2 (ESD) ±30kV (air), ±30kV (contact)
- ◆ IEC61000-4-5 (Lightning) 130A (8/20µs)

FEATURES

- ◆ Small SOD-323 package
- ◆ Protects one data or power line
- ◆ Operating Voltage: 4.5V
- ◆ High peak pulse current capability
- ◆ Ultra low clamping voltage



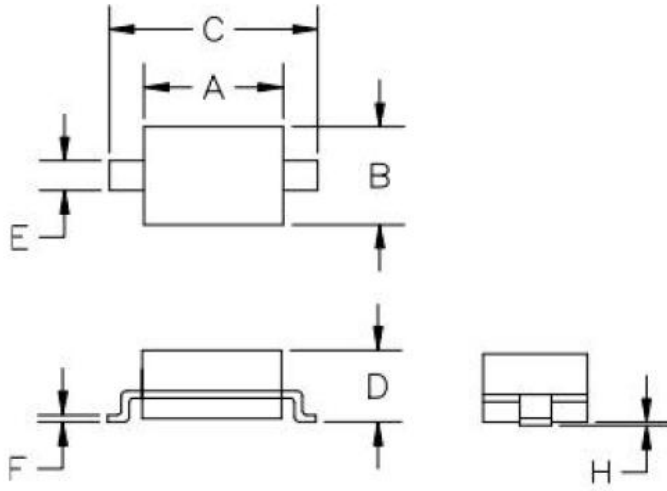
Electrical Characteristics

Parameter	Symbol	Value	Unit
Peak Pulse Power (tp=8/20µs waveform)	P _{ppp}	2200	W
Peak Pulse Current (8/20µs)	I _{pp}	130	A
ESD per IEC 61000-4-2 (Air)	V _{ESD}	±30	kV
ESD per IEC 61000-4-2 (Contact)		±30	
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 @ 130A Max	Ipp@8 /20us	Ppp 8/20us	Delivery Time
	V	V	(µA)	pF	V	V	A max	W	Days
HAP4511D3	4.5	4.7	1	450	8.5	17	130	2200	7days

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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
HAP4511D3	3000pcs	7inch	SOD-323	7days

Specifications are subject to change without notice

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