

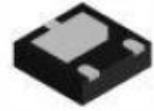
1-Line High Power TVS Diode Array



APPLICATION

- ◆ Power Management
- ◆ Industrial Application
- ◆ Power Supply Protection

DFN2020



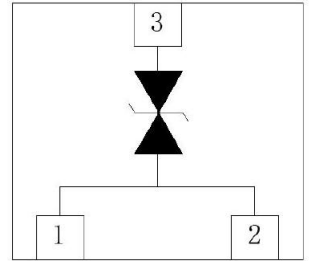
IEC COMPATIBILITY

Package: DFN2020-3

- ◆ IEC61000-4-2 (ESD) $\pm 30\text{kV}$ (air), $\pm 30\text{kV}$ (contact)
- ◆ IEC61000-4-5 (Lightning) 275A-310A (8/20 μs)

FEATURES

- ◆ 6500W peak pulse power (8/20 μs)
- ◆ Ultra low leakage: nA level
- ◆ Stand-off Voltage: 4.5V ~ 7V
- ◆ Ultra low clamping voltage
- ◆ One power line protects



Electrical Characteristics

Parameter	Symbol	Value
ESD per IEC 61000-- (Air)	VESD	$\pm 30\text{kV}$
ESD per IEC 61000-- (Contact)		$\pm 30\text{kV}$
Operating Temperature Range	TJ	-55 to +125 °
Storage Temperature Range	Tstg	-55 to +150 °C

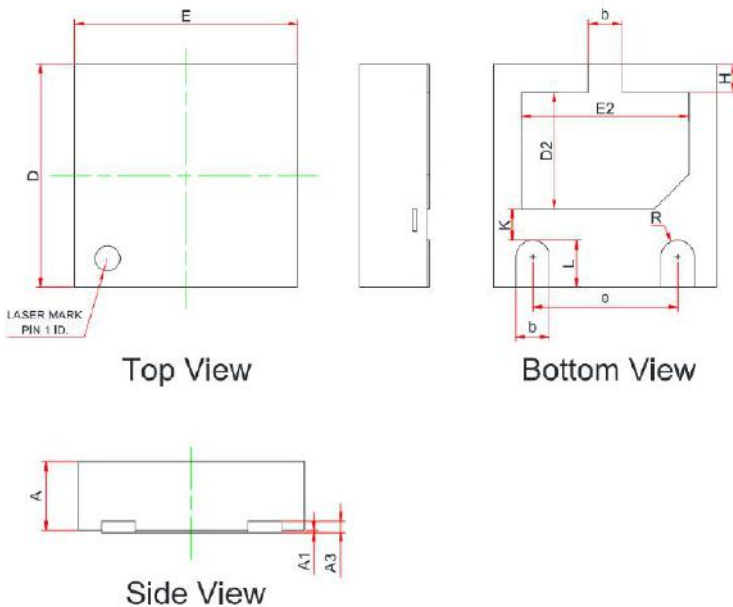
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Electrical Characteristics



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
HAS4501P4	4.5	4.8	1	350	8.5	20	300	4500	7days
HAS0501P4	5	6	1	530	9	22	310	6800	7days
HAS0701P4	7	7.5	1	500	12	22	275	6000	7days

Package Mechanical Data



SYM	DIMENSIONS		
	MILLIMETERS		
	MIN	NOM	MAX
A	0.55	0.60	0.65
A1	0.00	0.02	0.05
A3	0.10REF		
b	0.25	--	0.35
D	1.90	--	2.10
E	1.90	--	2.10
D2	0.95	--	1.15
E2	1.40	--	1.60
e	1.20		1.40
H	0.20	--	0.30
K	0.20		0.40
L	0.35	--	0.45
R	0.13	--	--

Ordering Information

Part Number	Qty per Reel	Reel Size	Package	Delivery Time
HASxx01P4	3000pcs	7inch	DFN2020-3	7days

Specifications are subject to change without notice

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