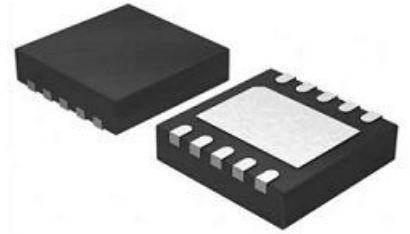


1-Line High Power TVS Diode Array

APPLICATION

- ◆ Analog Video
- ◆ RJ-45 Connectors
- ◆ T1/E1 Secondary Protection
- ◆ T3/E3 Secondary Protection
- ◆ 10/100/1000 Ethernet



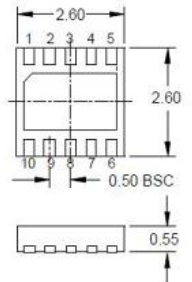
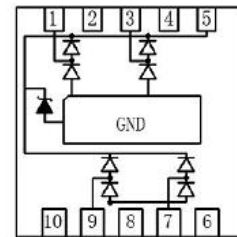
IEC COMPATIBILITY

Package: DFN2626-10

- ◆ IEC61000-4-2 (ESD) $\pm 30\text{kV}$ (air), $\pm 30\text{kV}$ (contact)
- ◆ IEC61000-4-4 (EFT) 40A (5/50ns)
- ◆ IEC61000-4-5 (Lightning) 25A (8/20 μs)

FEATURES

- ◆ Ultra low leakage: nA level
- ◆ Ultra low operating voltage: 2.5V-3.3V
- ◆ Ultra low clamping voltage



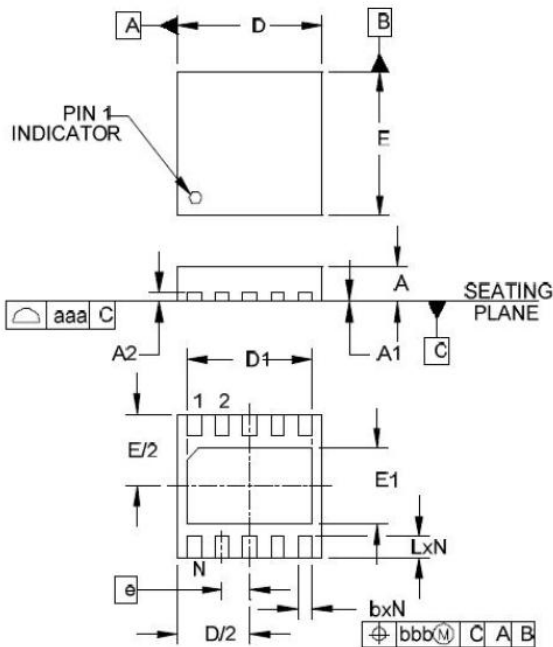
Electrical Characteristics

Parameter	Symbol	Value
Peak Pulse Power (tp=8/20 μs waveform)	Pppp	450W
Peak Pulse Current (8/20 μs)	Ipp	25A
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

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
HAL0214P8	2.5	2.7	0.5	5	4.5	15	25	450	7days
HAL3314P8	3.3	3.5	0.5	5	5.5	20	25	450	7days

Package Mechanical Data



SYM	DIMENSIONS					
	MILLIMETERS			INCHES		
	MIN	NOM	MAX	MIN	NOM	MAX
A	0.50	0.55	0.60	.020	.022	.024
A1	0.00	0.03	0.05	.000	.001	.002
A2	(0.17)			(.007)		
b	0.20	0.25	0.30	.007	.010	.012
D	2.50	2.60	2.70	.098	.102	.106
D1	2.00	2.15	2.25	.079	.085	.089
E	2.50	2.60	2.70	.098	.102	.106
E1	1.11	1.26	1.36	.044	.050	.054
e	0.50 BSC			.020BSC		
L	0.30	0.35	0.40	.011	.014	.016
N	10			10		

Ordering Information

Part Number	Qty per Reel	Reel Size	Package	Delivery Time
HALxx14P8	3000pcs	7inch	DFN2626-10	7days

Specifications are subject to change without notice

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