



ESDSL16VLB

Features

- Ultra Low Capacitance 0.7pF typical
- Operating Voltage: 16 V
- Low clamping voltage
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Halogen free available upon request by adding suffix "-HF"
- Marking:ZZ

Maximum Ratings

- Junction Temperature: -55°C to +125°C
- Storage Temperature: -55°C to +150°C

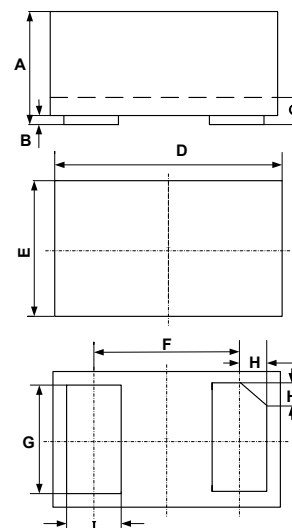
Parameter	Symbol	Limits	unit
IEC61000-4-2(ESD) Contact	V_{ESD}	± 8	KV
Peak Pulse Power (8/20us)	P_{pk}	30	W
Peak Pulse Current (8/20us)	I_{pp}	1	A

Internal Structure



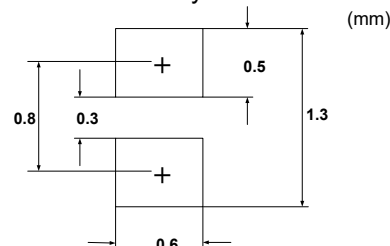
ESD Protection Device

DFN1006-2



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.018	0.022	0.45	0.55	
B	0.000	0.002	0.00	0.05	
C	0.005	0.007	0.12	0.18	
D	0.037	0.041	0.95	1.05	
E	0.022	0.026	0.55	0.65	
F	0.026 REF.		0.650 REF.		
G	0.018	0.022	0.45	0.55	
H	0.003	0.007	0.07	0.17	
L	0.008	0.012	0.20	0.30	

Suggested Solder
Pad Layout



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ELECTRICAL CHARACTERISTICS(T_a=25°C unless otherwise specified)

Parameter	Symbol	Min	Typ	Max	Unit	Test Condition
Reverse Working Voltage	V _{RWM}			16	V	
Breakdown Voltage	V _{BR}	18	24		V	I _T = 1mA
Reverse Leakage Current	I _R			0.1	uA	V _{RWM} = 16V
Clamping Voltage	V _C			30	V	I _{PP} = 1A (8 x 20μs pulse)
Junction Capacitance	C _J		0.7	0.9	pF	V _R = 0V, f = 1MHz

Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 10Kpcs/Reel

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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