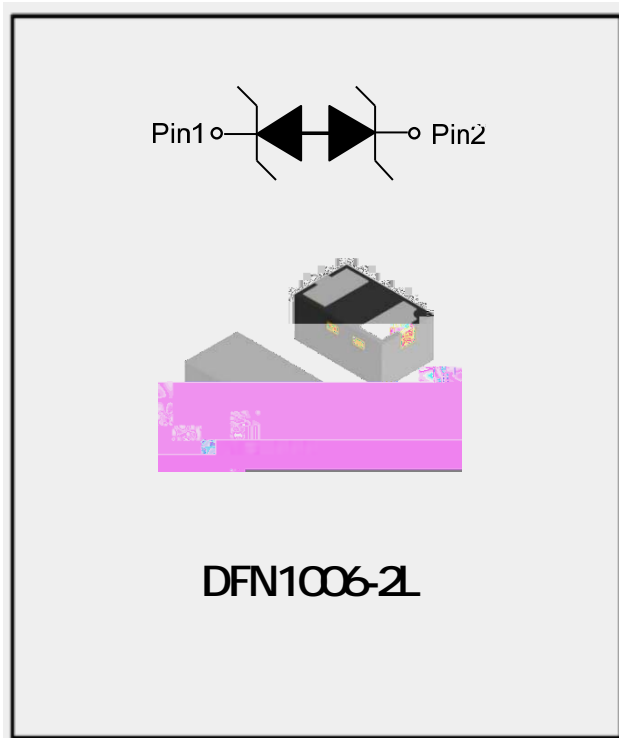


1- Line, Bi-directional, ESD protection diode



Features

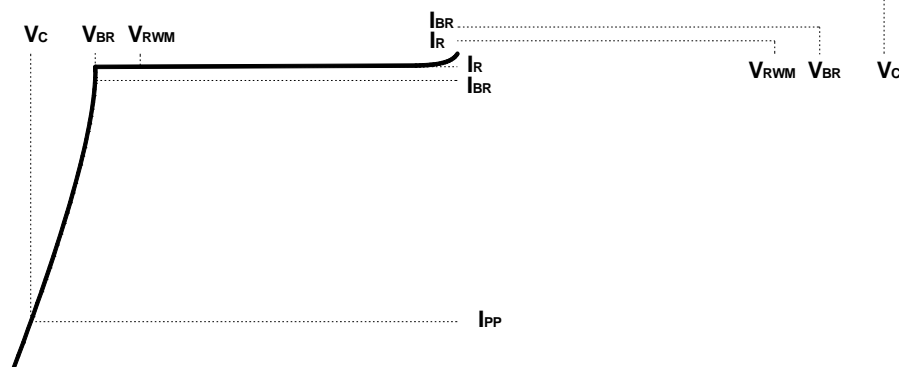
- Transient protection for each line according to
 - IEC61000-4-2(ESD): $\pm 14\text{kV}$ contact, $\pm 14\text{kV}$ air
 - IEC61000-4-5: 3A ($t_p=8/20\mu\text{s}$)
- Low leakage current
- Extremely low capacitance $C_d = 0.37\text{ pF}$
- Low clamping voltage
- Part no. with suffix "Q" means AEC-Q101 qualified

Applications

- Computers and peripherals
- Portable electronics

% I

- V_{RWM} Reverse stand-off voltage
- I_R Reverse leakage current
- V_{BR} Reverse breakdown voltage
- V_C Clamping voltage
- I_{PP} Peak pulse current





ESDSL5C5V5LBQ

Maximum Ratings

PARAMETER	SYMBOL	LIMITS	UNIT
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Characteristics (Typical)

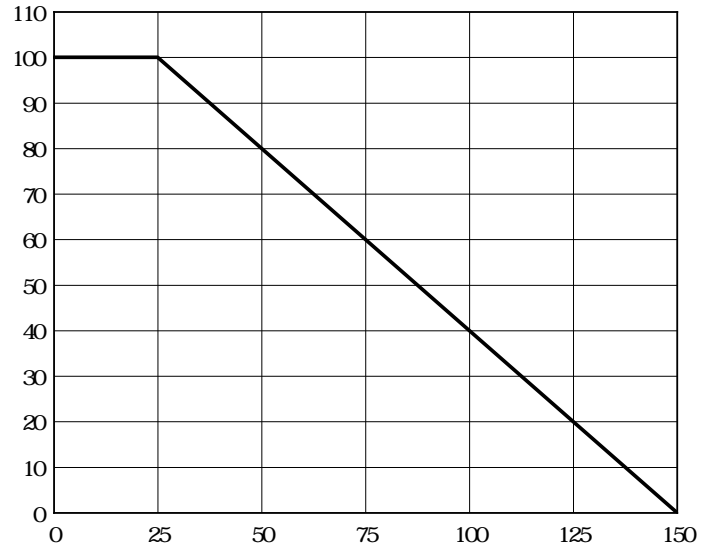
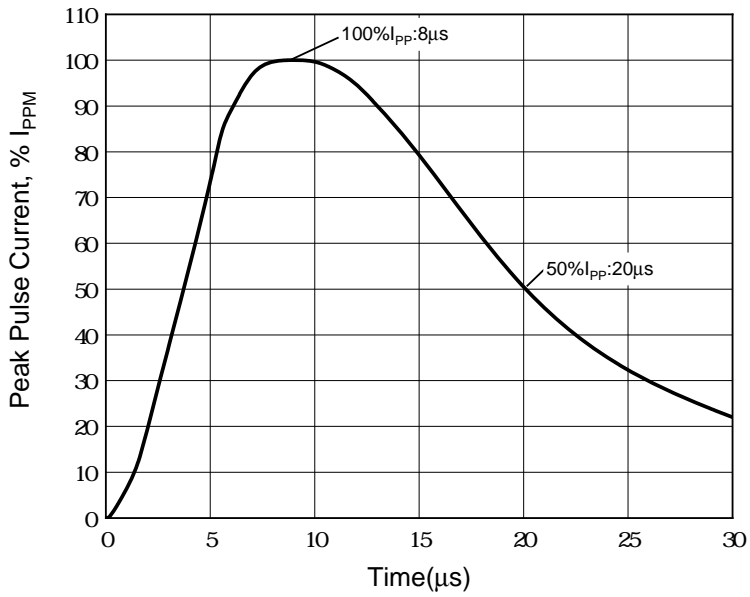


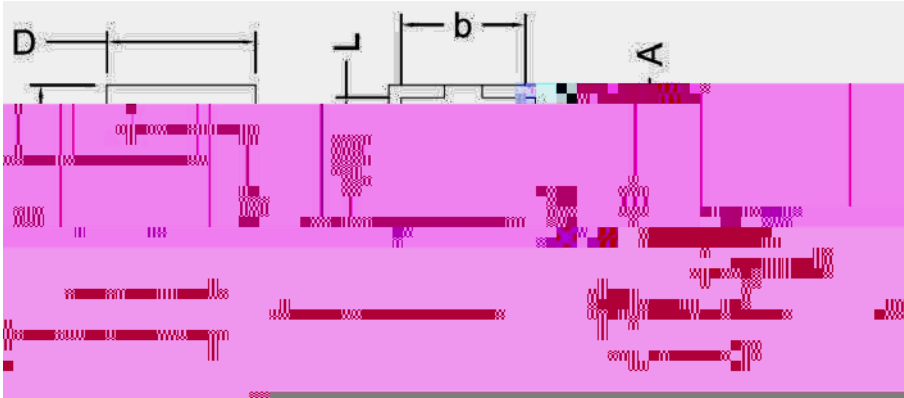
Fig.3: 8/20μs Pulse Waveform



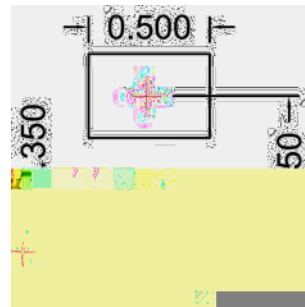


ESDSL5V5LBQ

Outline Dimensions



UNIT	MIN	MAX	UNIT	MIN	MAX
mm	0.50	0.60	mm	0.70	0.80
mm	0.90	1.00	mm	1.10	1.20
mm	0.35	0.45	mm	0.55	0.65
mm	0.15 BSC		mm	0.10	
mm	0.005		mm	0.005	
mm	0.005		mm	0.005	
mm	0.15	0.25	mm	0.35	0.45
mm	0.41	0.50	mm	0.59	0.68
mm	0.65 BSC				



Unit mm

Marking Information



Note:

1. All marking is at middle of the product body
2. All marking is in laser marking
3. Body color: Black

