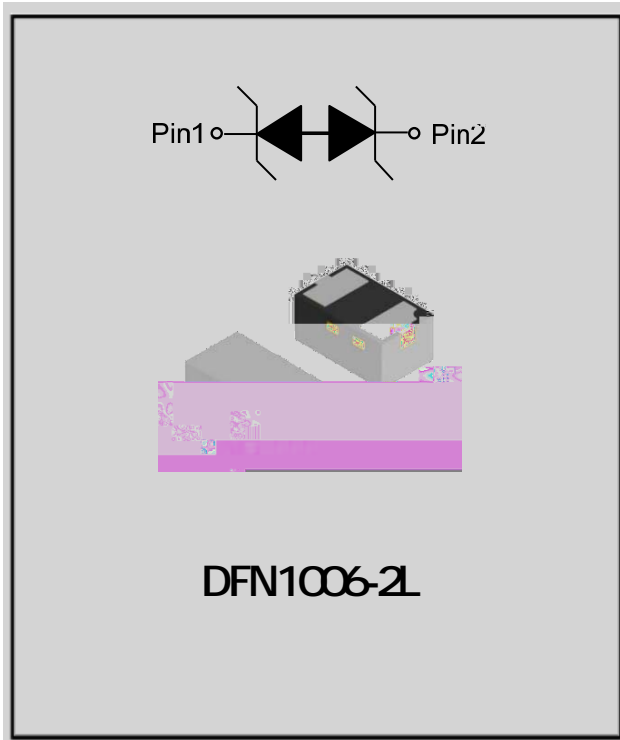


## 1- Line, Bi-directional, ESD protection diode



### Features

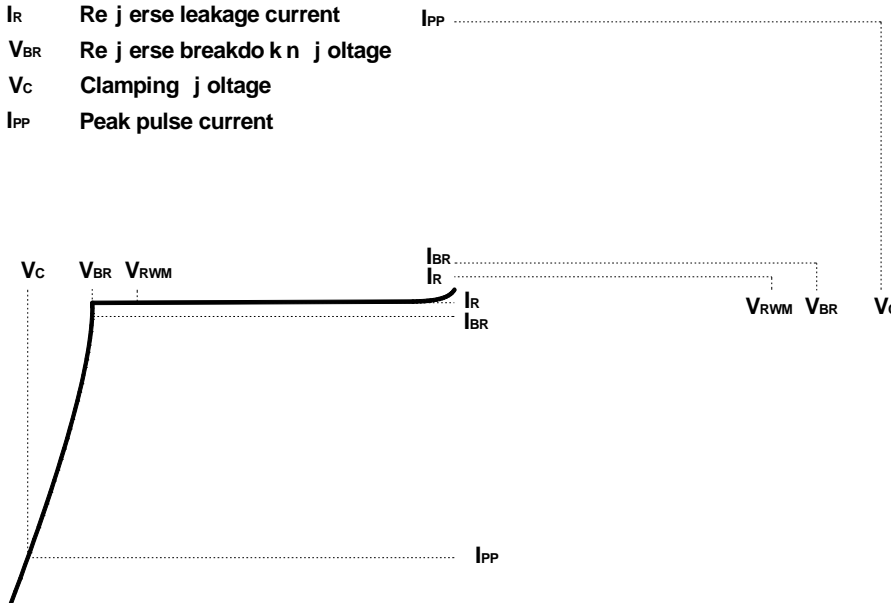
- Transient protection for each line according to
  - IEC61000-4-2(ESD):  $\pm 14\text{kV}$  contact,  $\pm 14\text{kV}$  air
  - IEC61000-4-5:  $3\text{A}$  ( $t_p=8/20\mu\text{s}$ )
- Low leakage current
- Extremely low capacitance  $C_d = 0.37\text{ pF}$
- Low clamping voltage
- Part no. with suffix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

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## Maximum Ratings

PARAMETER	SYMBOL	LIMITS	UNIT
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## Characteristics (Typical)

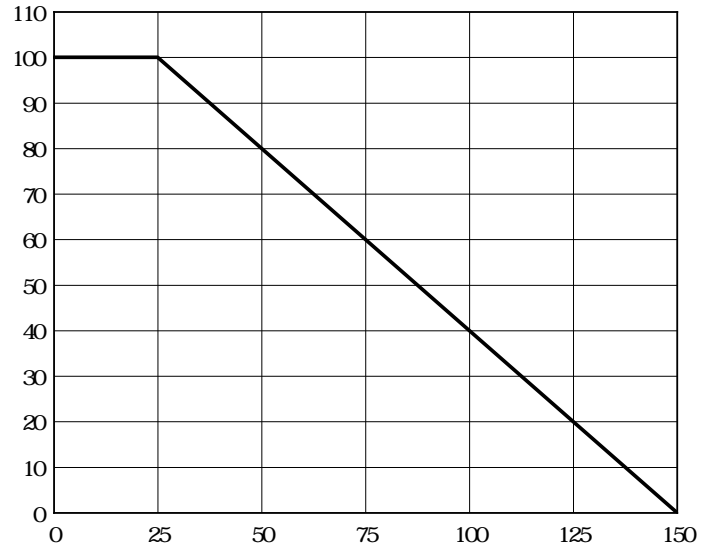
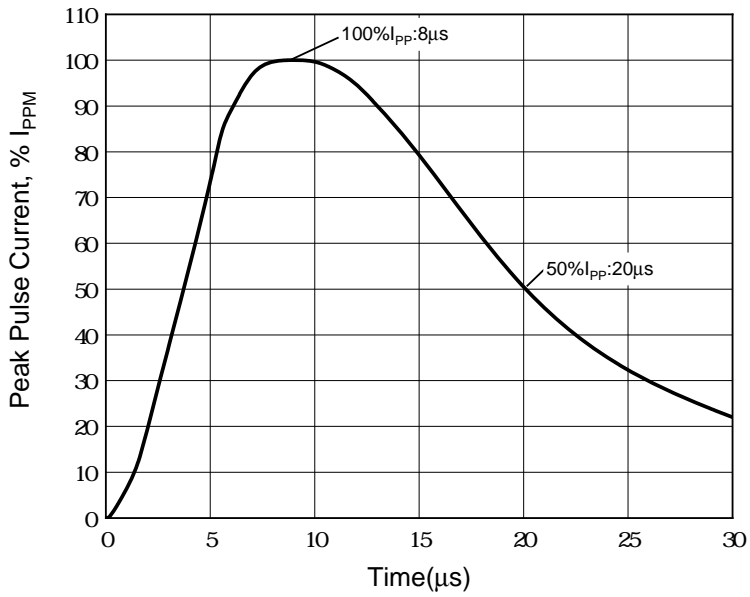


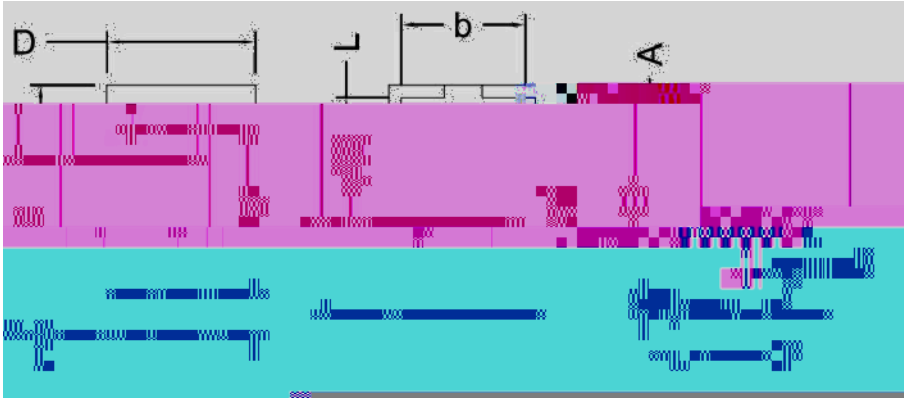
Fig.3: 8/20μs Pulse Waveform



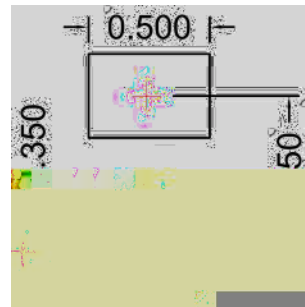


# ESDSL5V5LBQ

## Outline Dimensions



MIN	MAX	MIN	MAX	MIN	MAX	SYMBOL
0.50	0.60	0.70	1.10	0.15	0.35	D
0.90	1.00	1.10	1.10	0.15	0.35	F
0.05	0.10	0.15	0.25	0.15	0.35	A1
0.05	0.10	0.15	0.25	0.15	0.35	A2
0.05	0.10	0.15	0.25	0.15	0.35	F
0.05	0.10	0.15	0.25	0.15	0.35	G
0.15	0.25	0.35	0.35	0.15	0.35	L
b	0.41	0.50	0.59			
e		0.65	0.65			



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

