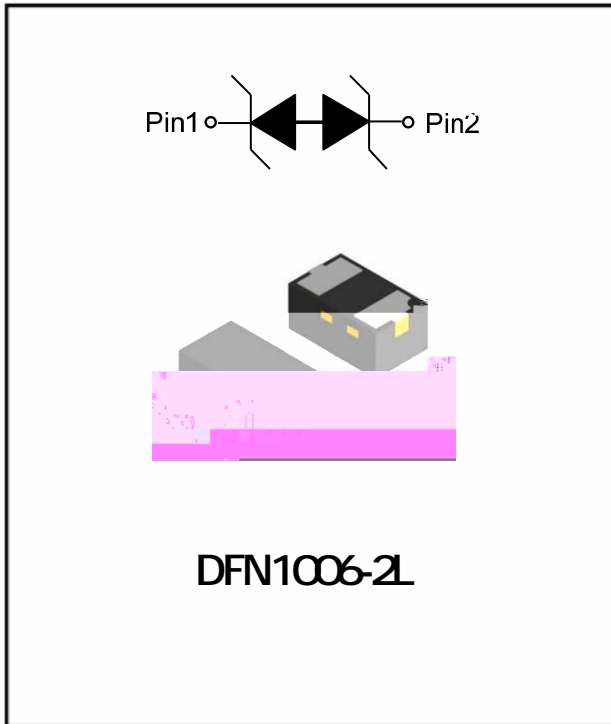


1- Line, Bi-directional, ESD protection diode



Features

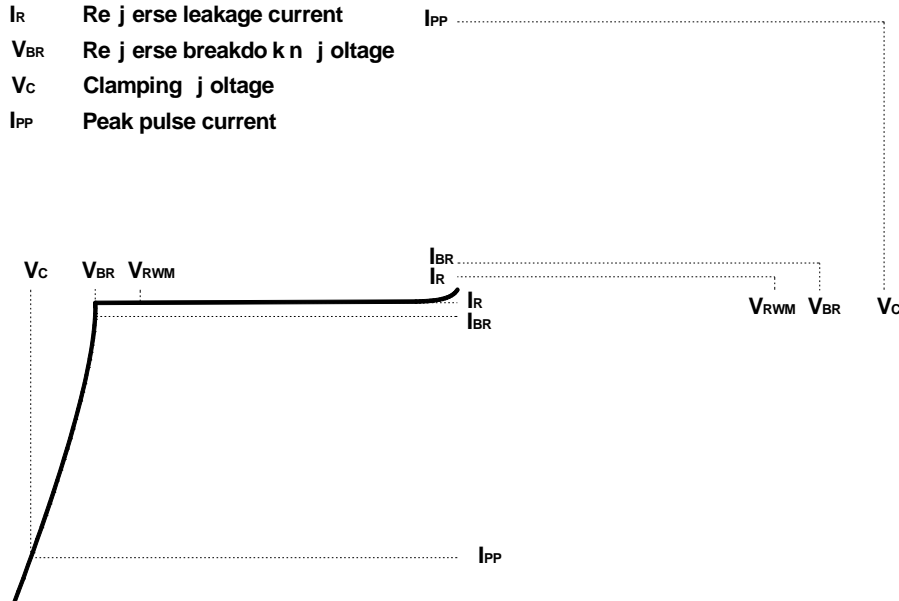
- Transient protection for each line according to
 - IEC61000-4-2(ESD): $\pm 14\text{kV}$ contact, $\pm 14\text{kV}$ air
 - IEC61000-4-5: 3A ($t_p=8/20\mu\text{s}$)
- Low leakage current
- Extremely low capacitance $C_d = 0.37\text{ pF}$
- Low clamping voltage
- Part no. with suffix "Q" means AEC-Q101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

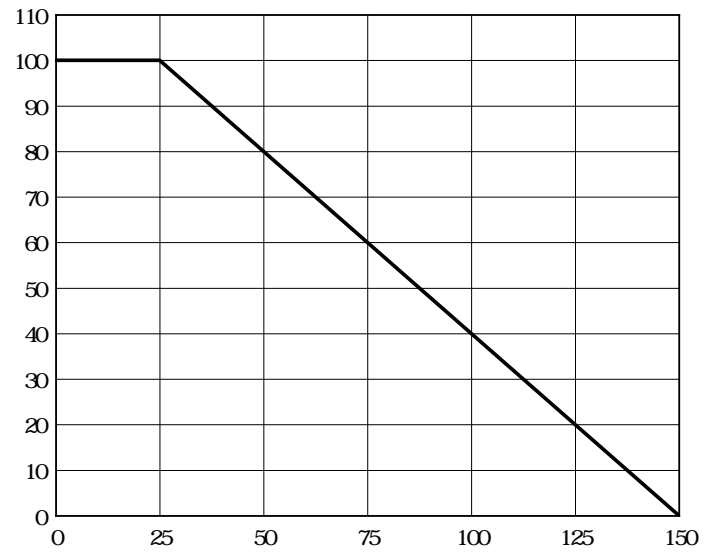
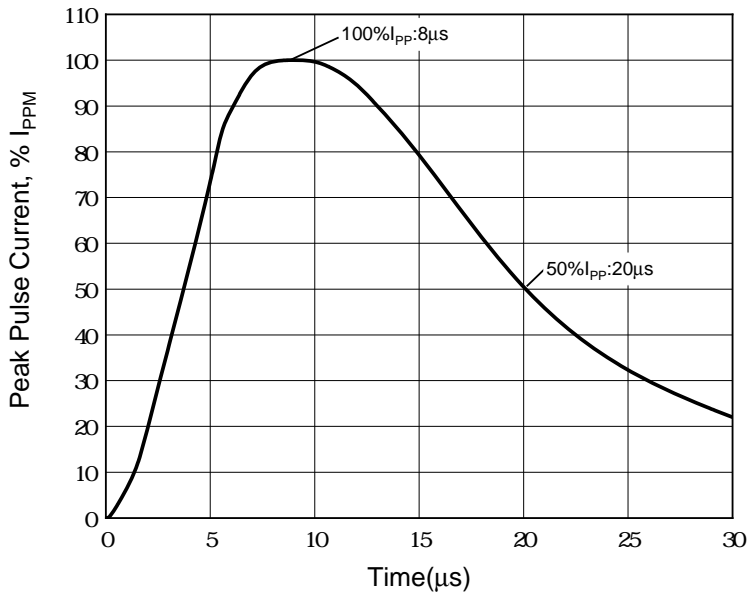


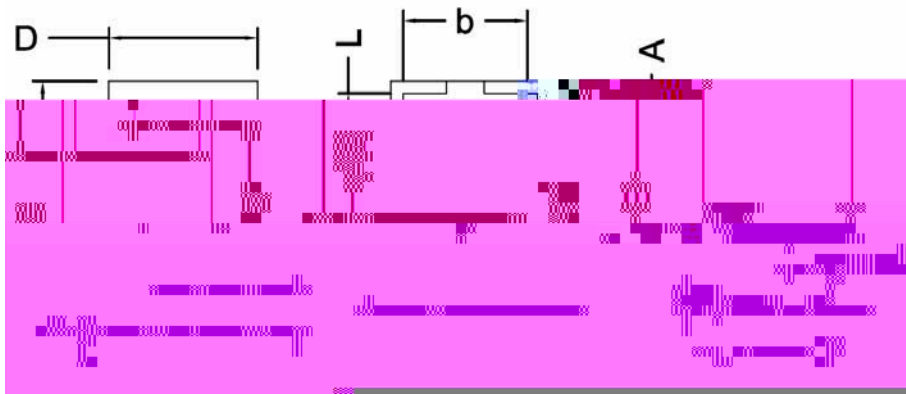
Fig.3: 8/20μs Pulse Waveform



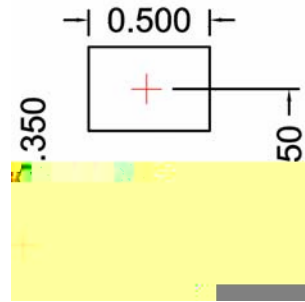


ESDSL5V5LBQ

Outline Dimensions

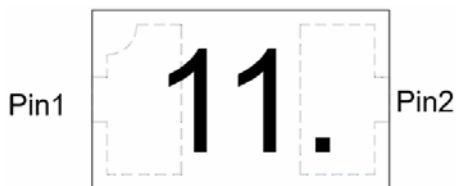


UNIT	MIN	NOM	MAX	SYMBOL
D	0.50	0.60	0.70	D
F	0.90	1.00	1.10	F
A1	0.35	0.45	0.55	A1
A2	0.15	BSC		A2
F	0.005		0.10	F
G	0.005			G
L	0.15	0.25	0.35	L
b	0.41	0.50	0.59	b
e		0.65	BSC	e



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

