

ESDBL24BP

Transient Voltage Suppressors

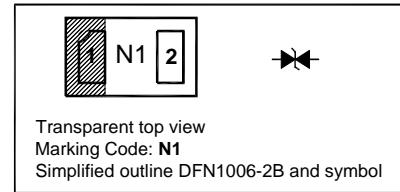
for ESD Protection

Features

- Low leakage current
- Low capacitance
- Bi-direction high reliability

PINNING

PIN	DESCRIPTION
1	Anode
2	Anode

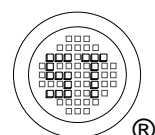


Absolute Maximum Ratings ($T_a = 25^\circ\text{C}$)

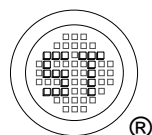
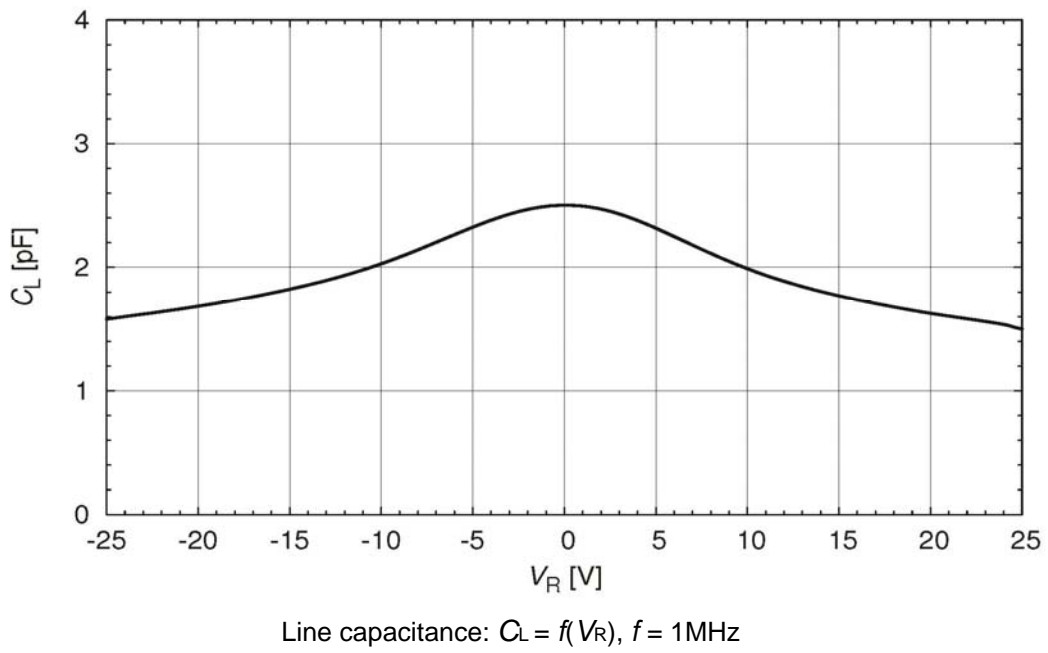
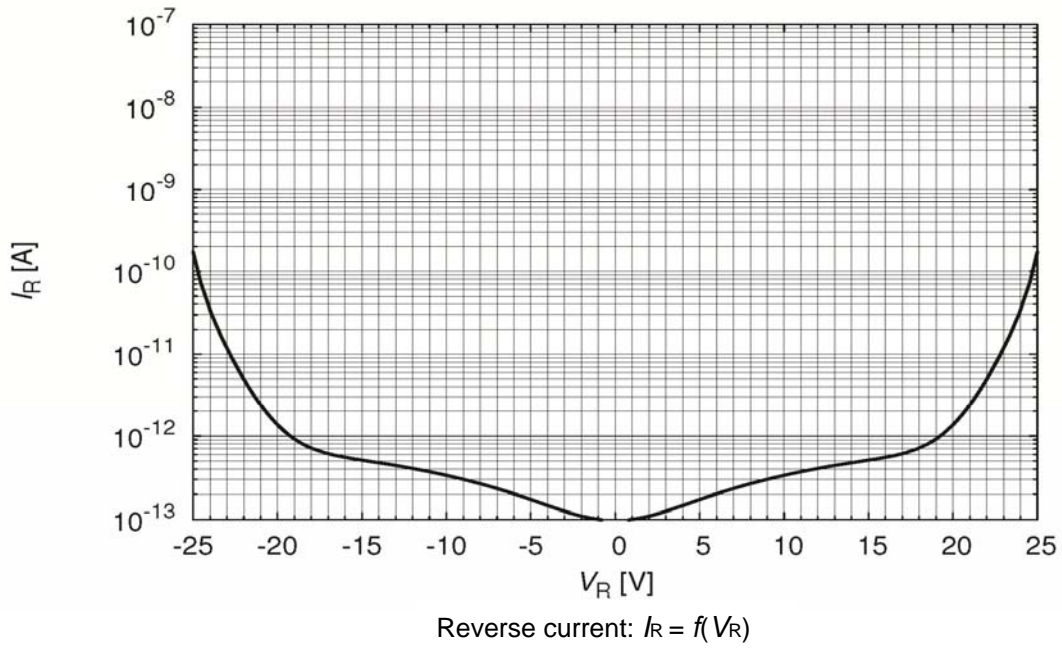
Parameter	Symbol	Value	Unit
Peak Pulse Current ($t_p = 8/20 \mu\text{s}$)	I_{PP}	1	A
IEC61000-4-2 (ESD) Air Contact	V_{ESD}	± 20 ± 18	KV
Operation Temperature Range	T_j	- 55 to + 150	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	- 65 to + 150	$^\circ\text{C}$

Characteristics at $T_a = 25^\circ\text{C}$

Parameter	Symbol	Min.	Max.	Unit
Reverse Working Voltage	V_{RWM}	- 24	24	V
Reverse Breakdown Voltage at $I_R = 1 \text{ mA}$	$V_{(BR)R}$	24.3	-	V
Reverse Current at $V_{RWM} = 24 \text{ V}$	I_R	-	50	nA
Clamping Voltage at $I_{PP} = 1 \text{ A}$, $t_p = 8/20 \mu\text{s}$	V_C	-	45	V
Junction Capacitance at $V_R = 0 \text{ V}$, $f = 1 \text{ MHz}$	C_j	-	3.5	pF



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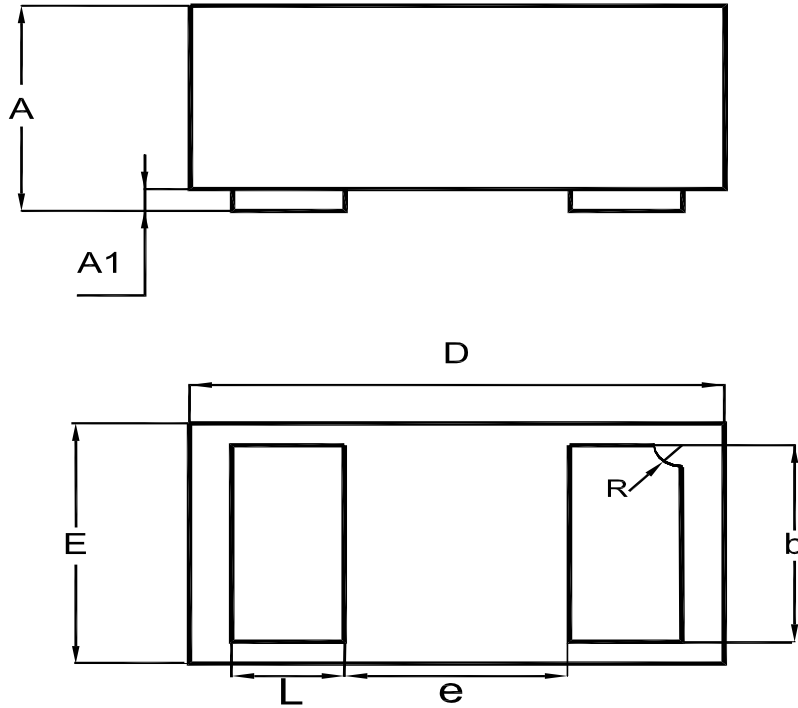


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PACKAGE OUTLINE

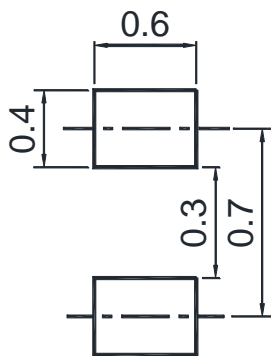
Plastic surface mounted package; 2 leads

DFN1006-2B



UNIT	A	A1	b	D	E	e	L	R
mm	0.40	0.05	0.55	1.05	0.65	0.4	0.3	0.15
	0.36	0	0.45	0.95	0.55		0.2	0.05

RECOMMENDED SOLDERING FOOTPRINT



Packing information

Package	Tape Width (mm)	Pitch		Reel Size		Per Reel Packing Quantity
		mm	inch	mm	inch	
DFN1006-2B	8	4 ± 0.1	0.157 ± 0.004	178	7	5,000

