

# ESDBL7951BP

## Transient Voltage Suppressors

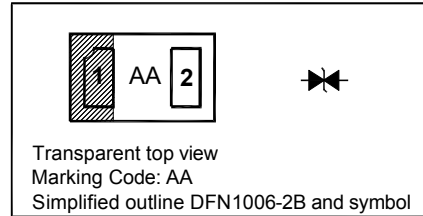
for ESD Protection

### Features

- Low Clamping Voltage
- Low Leakage
- Bi-direction high reliability

### PINNING

PIN	DESCRIPTION
1	Anode
2	Anode



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

Parameter	Symbol	Value	Unit
IEC61000-4-2 (ESD) Air Contact	$V_{\text{ESD}}$	$\pm 15$ $\pm 8$	KV
Total Power Dissipation on FR-5 Board <sup>1)</sup>	$P_D$	150	mW
Operating Temperature	$T_j$	- 55 to + 125	$^\circ\text{C}$
Storage Temperature Range	$T_{\text{stg}}$	- 55 to + 150	$^\circ\text{C}$

<sup>1)</sup>FR-5 = 1.0 x 0.75 x 0.62 in

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

Type	Reverse Stand-off Voltage	Reverse Current	Reverse Breakdown Voltage		Clamping Voltage	Reverse Peak Pulse Current	Capacitance		
	$V_{\text{RWM}}$	$I_R$ at $V_{\text{RWM}}$	$V_{\text{BR}}$	at $I_T$	$V_C$ at Max. $I_{\text{PP}}$	$I_{\text{PP}}$	$C_j$	at f	at $V_R$
	Max. (V)	Max. ( $\mu\text{A}$ )	Min. (V)	(mA)	Max. (V)	Max. (A)	Max. (pF)	(MHz)	(V)
ESDBL7951BP	5	1	5.4	1	12.9	1	0.9	1	0

**TOP DYNAMIC**



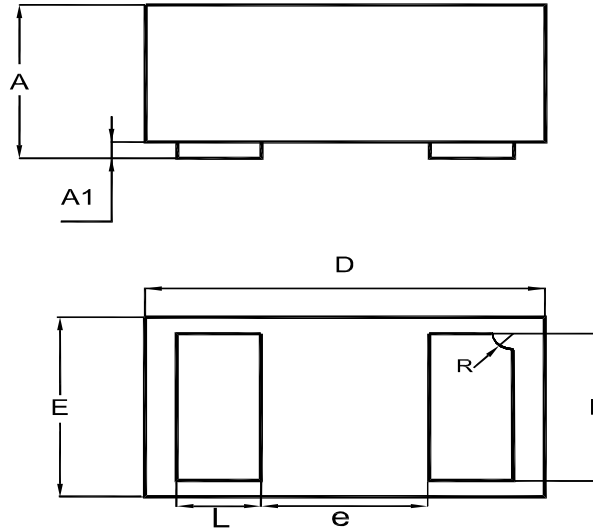
Dated: 14/05/2015 Rev: 02

# ESDBL7951BP

## PACKAGE OUTLINE

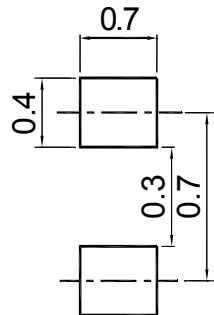
Plastic surface mounted package; 2 leads

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

**TOP DYNAMIC**



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