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# ESDAVLC6V1-1BT2

## Very low capacitance ESD protection for high speed interface

Data Brief

### Applications

Where transient overvoltage protection in ESD sensitive equipment is required, such as:

- Computers
- Printers
- Communication systems
- Cellular phone handsets and accessories
- Video equipment

### Features

- 1 line bi-directional protection
- Breakdown voltage  $V_{BR} = 6.1 \text{ V min.}$
- Ultra-low capacitance (8 pF max)
- Lead-free package

### Description

The ESDAVLC6V1-1BT2 is a monolithic application specific device dedicated to ESD protection of high speed serial interfaces such as USB 2.0, FM antenna, or camera interface.

The device is ideal for applications where both reduced printed circuit board space and power absorption capability are required.

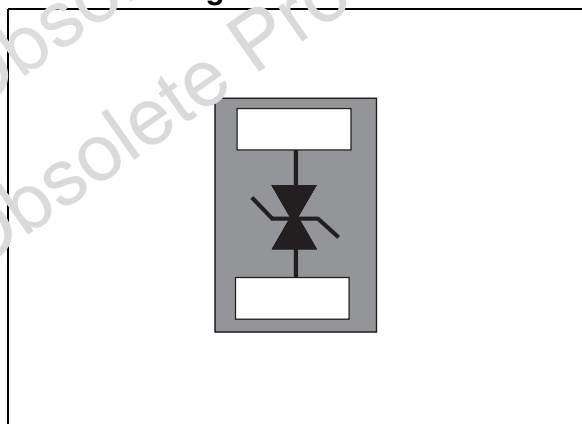
### Benefits

- Very low capacitance for optimized data integrity
- Very low reverse current  $< 0.1 \mu\text{A}$
- Low PCB space consumption:  $0.6 \text{ mm}^2 \text{ max}$
- Enhanced ESD protection, IEC 61000-4-2 level4 compliant
  - $> 15\text{kV}$  Contact discharge
  - $> 15\text{kV}$  Air discharge
- High reliability offered by monolithic integration

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### Functional diagram



### Order code

Part number	Marking
ESDAVLC6V1-1BT2	T

### Complies with the following standards:

#### IEC 61000-4-2 level 4

- 15 kV (air discharge)
- 15 kV (contact discharge)

#### MIL STD 883E - Method 3015-7: class 3

- HBM (Human body model)

## 1 Revision history

Date	Revision	Changes
14-Nov-2006	1	Initial release.

Obsolete Product(s) - Obsolete Product(s)  
Obsolete Product(s) - Obsolete Product(s)

## ESDAVLC6V1-1BT2

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