

ESDALC6V1-1BT2

Single line low capacitance TRANSIL™ for ESD protection

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 low capacitance TRANSIL diode
- Very thin package: 0.4 mm max.
- Bidirectional ESD protection
- Breakdown Voltage V_{BR} = 6.1 V min.
- Low diode capacitance (22 pF typ. at 0V)
- Low leakage current: 100 nA max. @ 3V
- Very small PCB area: 0.6 mm²
- Leadfree package

Description

The ESDALC6V1-1BT2 is a bidirectional single line TVS diode designed to protect the datalines or other I/O ports against ESD transients.

The device is ideal for applications where both reduced line capacitance and board space saving are required.

Benefits

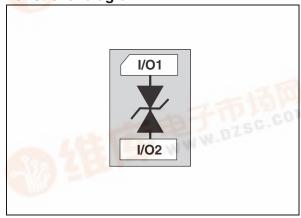
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- High ESD protection level
- High integration
- Suitable for high density boards

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Functional diagram



Order code

Part number	Marking
ESDALC6V1-1BT2	

Complies with the following standards:

IEC 61000-4-2 level 4

15 kV (air discharge)

8 kV (contact discharge)

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

HBM (Human body model)

Revision history ESDALC6V1-1BT2

1 Revision history

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

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