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ESDAVLC6V1-1BM2

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 bi-directional protection
- Breakdown voltage $V_{BR} = 6.1 \text{ V min.}$
- Ultra-low capacitance (6 pF typ.)
- Leadfree package

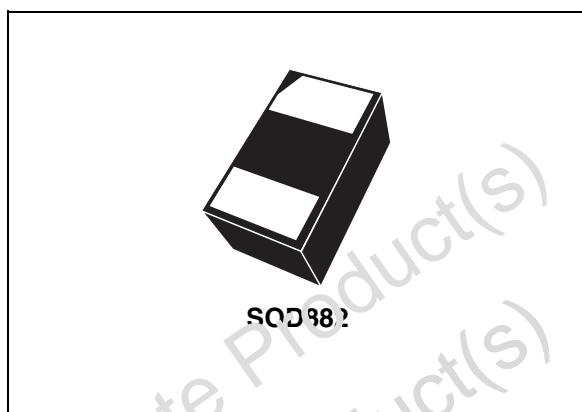
Description

The ESDAVLC6V1-1BM2 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.

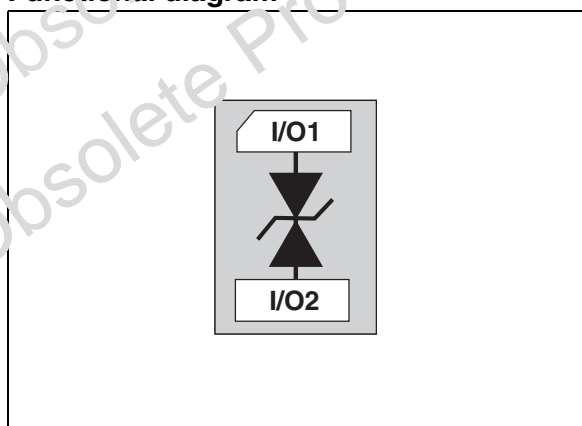
The device is ideal for applications where both limited circuit board space and power absorption capability are required.

Benefits

- Very low capacitance for optimized data integrity
- Very low reverse current $< 0.1 \mu\text{A}$
- Low PCB space consumption: $0.6 \text{ mm}^2 \text{ max}$
- High reliability offered by monolithic integration



Functional diagram



Order code

Part number	Marking
ESDAVLC6V1-1BM2	C

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)

TM: TRANSIL is a trademark of STMicroelectronics

Revision history

ESDAVLC6V1-1BM2

1 Revision history

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

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

ESDAVLC6V1-1BM2

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