

ESD Suppressor TVS Bi-Dir 3V 2-Pin ST0201 T/R

Manufacturer: [STMicroelectronics, Inc](#)

Package/Case: ST0201

Product Type: Thyristors

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active



Images are for reference only

[Inquiry](#)

General Description

The ESDALC6V1-1BU2 is a bidirectional single line TVS diode designed to protect data lines 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.

Key Features

Breakdown voltage $V_{BR} = 6.1 \text{ V min.}$

Bidirectional device

Multiple ESD strike sustainability

Very low diode capacitance: $5 \text{ pF typ. at } 0 \text{ V}$

Low leakage current

0201 SMD package size compatible

Ultra small PCB area: 0.18 mm^2

RoHS compliant

Benefits

High ESD protection level

High integration

Suitable for high density boards

MSL1

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Complies with the following standards:

IEC 61000-4-2 level 4 $15 \text{ kV (air discharge)}$ $8 \text{ kV (contact discharge)}$

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Recommended For You

ESDLIN1524BJ

STMicroelectronics, Inc

SOD-323

ESDA6V1W5

STMicroelectronics, Inc

SOT-353

ESDCAN24-2BLY

STMicroelectronics, Inc

SOT-23-3

ESDA14V2LY

STMicroelectronics, Inc
SOT-23

ESDA5V3LY

STMicroelectronics, Inc
SOT-23

ESDALC6V1P5

STMicroelectronics, Inc
SOT-665

ESDAXLC6-1BU2

STMicroelectronics, Inc
ST0201

ESDALCL5-1BM2

STMicroelectronics, Inc
SOD882

ESDA14V2SC6

STMicroelectronics, Inc
SOT23-6

ESDA25B1RL

STMicroelectronics, Inc
SOP8

ESDALC6V1W5

STMicroelectronics, Inc
SOT353

ESDA8V2-1J

STMicroelectronics, Inc
SOD-323

ESDA5-1BF4

STMicroelectronics, Inc
SMD

ESDA14V2-2BF3

STMicroelectronics, Inc
BGA

ESDA25W

STMicroelectronics, Inc
SOT323