

## ESD Suppressor TVS Bi-Dir 3V 2-Pin SOD-882 T/R

**Manufacturer:** [STMicroelectronics, Inc](#)

**Package/Case:** SOD882

**Product Type:** Thyristors

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** Active



Images are for reference only

[Inquiry](#)

### General Description

The ESDALCL5-1BM2 is a bidirectional single-line TVS diode designed to protect data lines or other I/O ports against ESD transients. This device is ideal for applications where reduced line capacitance and board space saving are required. Its low leakage current makes it suitable for portable equipment.

## Key Features

Single-line low capacitance Transil diode

Bidirectional ESD protection

Breakdown voltage VBR= 5.0 V min.

Low diode capacitance (26 pF typ at 0 V)

Low leakage current:

10 nA at 3 V

1 nA at 1 V

10 nA at 3 V

1 nA at 1 V

Very small PCB area: 0.6 mm<sup>2</sup>

ECOPACK®2 compliant components

Complies with the following standards:

IEC 61000-4-2 level 4 and higher 30 kV (air discharge) 30 kV (contact discharge)

MIL STD 883G - Method 3015-7: class 3 Human body model

30 kV (air discharge)

30 kV (contact discharge)

Human body model

IEC 61000-4-2 level 4 and higher

30 kV (air discharge)

30 kV (contact discharge)

30 kV (air discharge)

30 kV (contact discharge)

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

Human body model

Human body model

## 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

**ESDA14V2SC6**

STMicroelectronics, Inc

SOT23-6

**ESDALC6V1-1BU2**

STMicroelectronics, Inc

ST0201

**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