

**ESD Suppressor Diode TVS Bi-Dir 5V 17.5Vc Automotive 2-Pin  
SOD-882T T/R**



Images are for reference only

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

**Package/Case:** SOD-882

**Product Type:** Thyristors

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** Active

[Inquiry](#)

## General Description

The ESDALC5-1BT2Y is 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 both printed circuit board space and power absorption capability are required.

## Key Features

AEC-Q101 qualified

Single-line bidirectional protection

Breakdown voltage = 5.8 V min.

Low capacitance = 26 pF at 0 V

Lead-free packages

ECOPACK2 compliant component

Benefits

Low capacitance for optimized data integrity

Low leakage current

Low PCB space consumption: 0.6 mm<sup>2</sup>

High reliability offered by monolithic integration

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Complies with IEC 61000-4-2 (exceeds level 4)

Complies with ISO 10605 - C = 330 pF, R = 330 Ω

Complies with ISO 7637-3:

pulse 3a: V<sub>s</sub> = -150 V

pulse 3b: V<sub>s</sub> = +100 V

pulse 3a: V<sub>s</sub> = -150 V

pulse 3b: V<sub>s</sub> = +100 V

## Recommended For You

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### 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

**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