

## ESD Suppressor Diode TVS Uni-Dir 5V 10Vc Automotive 2-Pin SOD-882 T/R

<b>Manufacturer:</b>	<a href="#">Littelfuse Inc</a>
<b>Package/Case:</b>	SOD882
<b>Product Type:</b>	Thyristors
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Active



Images are for reference only

[Inquiry](#)

### General Description

The SP3030 includes low capacitance rail to rail diodes with an additional Zener diode to provide protection for electronic equipment that may experience destructive electrostatic discharges (ESD). These robust diodes can safely absorb repetitive ESD strikes above the maximum level specified in the IEC61000-4-2 international standard ( $\pm 20\text{kV}$  contact discharge) without performance degradation. The low loading capacitance makes it ideal for protecting high speed data lines such as HDMI, DVI, USB2.0, USB3.0 and eSATA.

### Key Features

- ESD protection of  $\pm 20\text{kV}$  contact discharge,  $\pm 30\text{kV}$  air discharge, (IEC61000-4-2)
- EFT protection, IEC61000-4-4, 40A ( $t_p=5/50\text{ns}$ )
- Enhanced ESD capability: IEC61000-4-2,  $\pm 30\text{kV}$  contact,  $\pm 30\text{kV}$  air
- Lightning Protection, IEC61000-4-5, 3A ( $t_p=8/20\mu\text{s}$ )
- Low capacitance of  $0.5\text{pF}$  @  $V_R=0\text{V}$
- Low leakage current of  $0.1\mu\text{A}$  at 5V
- Small SOD882 packaging helps save board space

### Application

- Tablets
- Ultrabook
- eReader
- Smart Phones
- Digital Cameras
- MP3/ PMP
- Set Top Boxes
- Portable Medical

### Recommended For You

#### SP3010-04UTG

Littelfuse Inc  
UDFN-10

#### SP0504SHTG

Littelfuse Inc  
SOT23-6

#### SP724AHTG

Littelfuse Inc  
SOT23-6

**SP0504BAHTG**

Littelfuse Inc

SOT23-5

**SP3312TUTG**

Littelfuse Inc

DFN

**SP03-3.3BTG**

Littelfuse Inc

SOP8

**SP3042-01WTG**

Littelfuse Inc

SMD0402

**SP3222-02ETG**

Littelfuse Inc

DFN1006-3

**SP720APP**

Littelfuse Inc

DIP16

**SP3003-02UTG**

Littelfuse Inc

QFN

**SP723ABG**

Littelfuse Inc

SOP8

**SPHV15-01ETG-C**

Littelfuse Inc

SMD

**SP0502BAHTG**

Littelfuse Inc

SOT-23

**SP721APP**

Littelfuse Inc

PDIP-8

**SP1103C-01UTG**

Littelfuse Inc

DFN1610