
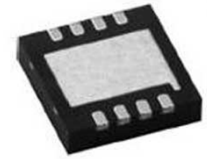


## ESD Suppressor Diode TVS Uni-Dir 3.3V 10Vc Automotive 3-Pin SOD-883 T/R

<b>Manufacturer:</b>	<a href="#">Littelfuse Inc</a>
<b>Package/Case:</b>	DFN1006-3
<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 SP3222 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 ( $\pm 30\text{kV}$  contact discharge) without performance degradation. The low loading capacitance makes it ideal for protecting high speed data lines such as DVI, USB2.0, USB3.0 and eSATA.

### Key Features

- ESD protection of  $\pm 30\text{kV}$  contact discharge,  $\pm 30\text{kV}$  air discharge, (IEC61000-4-2)
- EFT, IEC61000-4-4, 40A (5/50ns)
- Lightning protection, IEC61000-4-5 2nd edition, 3A ( $t_p=8/20\mu\text{s}$ )
- Low capacitance of  $0.9\text{pF}$  @  $\text{VR}=0\text{V}$  (MAX)
- Space efficient 0402 (SOD883) footprint
- Extremely low dynamic resistance ( $0.17\Omega$  TYP)
- Moisture Sensitivity Level (MSL-1)
- AEC-Q101 qualified
- Halogen free, Lead free and RoHS compliant

### Application

- USB 3.0/USB 2.0/MHL
- MIPI Camera and Display
- DisplayPort 1.3, eSATA
- Set Top Boxes, Game Consoles
- Smart Phones
- External Storage
- Ultrabooks, Notebooks
- Tablets, eReaders
- High Speed Serial Interfaces

### Recommended For You

**SP3010-04UTG**

Littelfuse Inc

UDFN-10

**SP0504SHTG**

Littelfuse Inc

SOT23-6

**SP724AHITG**

Littelfuse Inc

SOT23-6

**SP0504BAHTG**

Littelfuse Inc

SOT23-5

**SP3312TUTG**

Littelfuse Inc

DFN

**SP03-3.3BTG**

Littelfuse Inc

SOP8

**SP3042-01WTG**

Littelfuse Inc

SMD0402

**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

**SP4060-08ATG**

Littelfuse Inc

MSOP10