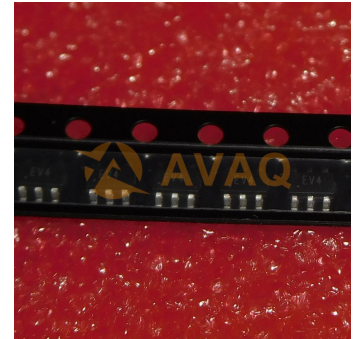



**ESD Suppressor Diode Diode Array Uni-Dir 6V 13Vc Automotive  
6-Pin SOT-23 T/R**



Images are for reference only

[Inquiry](#)

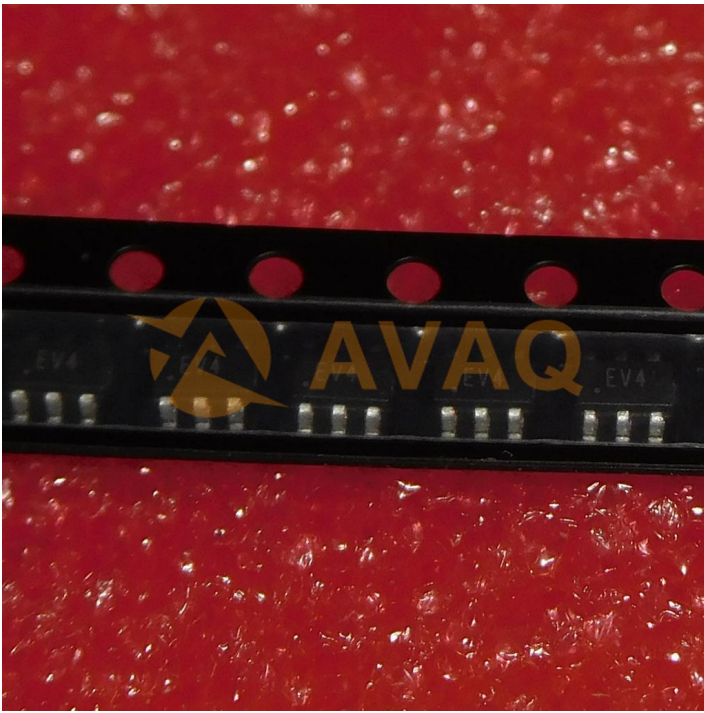
<b>Manufacturer:</b>	<a href="#">Littelfuse Inc</a>
<b>Package/Case:</b>	SOT23-6
<b>Product Type:</b>	Thyristors
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Active

**General Description**

The SP0504S has ultra low capacitance rail-to-rail diodes with an additional zener diode fabricated in a proprietary silicon avalanche technology to protect each I/O pin providing a high level of protection for electronic equipment that may experience destructive electrostatic discharges (ESD). These robust diodes can safely absorb repetitive ESD strikes at the maximum level (Level 4) specified in the IEC 61000-4-2 international standard without performance degradation. Their very low loading capacitance also makes them ideal for protecting high speed signal pins such as HDMI, DVI, USB2.0, and IEEE 1394.

**Key Features**

- Low capacitance of 0.85 pF (TYP) per I/O
- ESD protection of ±12kV contact discharge, ±15kV air discharge, (IEC61000-4-2)
- EFT protection, IEC61000-4-4, 40A (5/50ns)
- Low leakage current of 0.5µA (MAX) at 5V
- Small packaging options saves board space
- Lightning Protection, IEC61000-4-5, 4.5A (8/20µs)
- AEC-Q101 qualified
- Application:
- Computer Peripherals
- Mobile Phones
- PDA's
- Digital Cameras
- Network Hardware/Ports
- Test Equipment
- Medical Equipment



## Recommended For You

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### SP3010-04UTG

Littelfuse Inc

UDFN-10

### 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

### SP4060-08ATG

Littelfuse Inc

MSOP10