

ESD Suppressor Diode Array Bi-Dir 20V 6-Pin SOT-23 T/R

Manufacturer: [Littelfuse Inc](#)

Package/Case: SOT23-6

Product Type: Thyristors

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

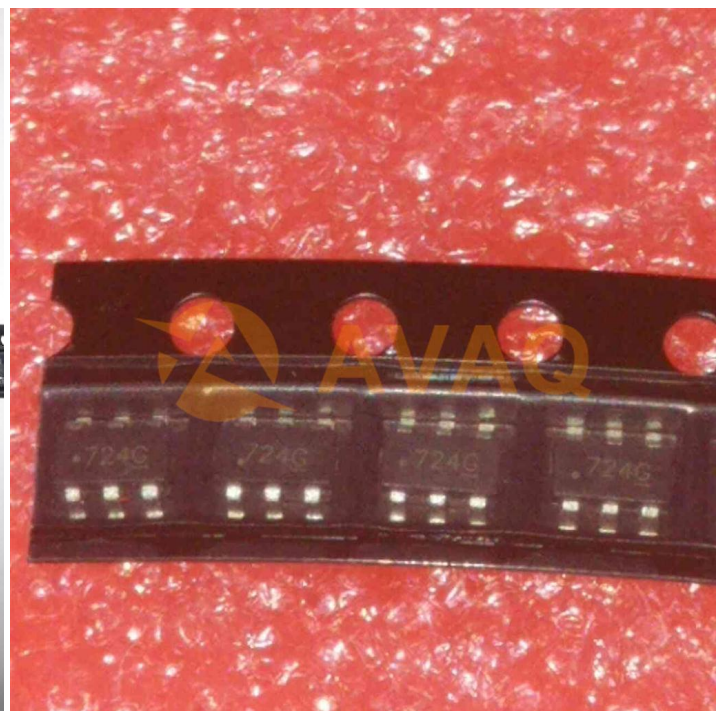


Images are for reference only

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General Description

The SP724 is a quad array of transient voltage clamping circuits designed to suppress ESD and other transient over-voltage events. The SP724 is used to help protect sensitive digital or analog input circuits on data, signal, or control lines operating on power supplies up to 20VDC. The SP724 is comprised of bipolar SCR/diode structures to protect up to four independent lines by clamping transients of either polarity to the power supply rails. The SP724 offers very low leakage (1nA Typical) and low input capacitance (3pF Typical). Additionally, the SP724 is rated to withstand the IEC 61000-4-2 ESD specification for both contact and air discharge methods to level 4. The SP724 is connected to the sensitive input line and its associated power supply lines. Clamping action occurs during the transient pulse, turning on the diode and fast triggering SCR structures when the voltage on the input line exceeds one VBE threshold above the V+ supply (or one VBE threshold below the V- supply). Therefore, the SP724 operation is unaffected by poor power supply regulation or voltage fluctuations within its operating range.



Recommended For You

SP3010-04UTG

Littelfuse Inc

UDFN-10

SP0504SHTG

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