

## Diode TVS Single Bi-Dir 30V 400W 2-Pin SMA T/R

**Manufacturer:** [Littelfuse Inc](#)

**Package/Case:** DO-214AC

**Product Type:** Thyristors

**Lifecycle:** Active



Images are for reference only

[Inquiry](#)

### General Description

VOLTAGE 5.0 TO 250 Volts 400 Watt Peak Pulse Power

#### Key Features

Halogen-Free and RoHS compliant

For surface mounted applications in order to optimize board space

Low profile package

Built-in strain relief

Glass passivated junction

Low Inductance

Excellent clamping capability

Repetition Rate (duty cycle): 0.01%

Fast response time: typically less than 1.0ps from 0 Volts to V(BR) for unidirectional types.

Typical IR less than 1mA above 10V

High temperature soldering: 250 degrees C/10 seconds at terminals

Plastic package has Underwriters Laboratory Flammability 94V-O

#### Application

**Power Supply Protection:** It is often used in power supply circuits to protect against voltage spikes and surges that can damage sensitive components, such as integrated circuits (ICs) and microcontrollers.

**Communication Systems:** The diode can be employed in communication systems, such as Ethernet, telecommunication, and data transmission circuits, to protect against voltage transients that can disrupt signal integrity.

**Industrial Equipment:** It is used in industrial equipment and machinery to safeguard sensitive electronics from voltage surges caused by power fluctuations or electromagnetic interference (EMI).

**Consumer Electronics:** The diode finds application in consumer electronic devices, including televisions, computers, smartphones, and audio equipment, to protect against ESD and other voltage transients.

**Automotive Electronics:** It can be utilized in automotive electronics for protection against voltage spikes caused by load dumping, reverse polarity, or electrical disturbances.

### Recommended For You

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**SMAJ12A**

Littelfuse Inc

SMA

**SMAJ58CA**

Littelfuse Inc

SMA

**SMBJ22A**

Littelfuse Inc

SMB

**SMAJ30A**

Littelfuse Inc

SMA

**SMBJ30A**

Littelfuse Inc

SMB

**SMAJ24CA**

Littelfuse Inc

DO-214AC

**SMBJ18A**

Littelfuse Inc

SMB

**SMBJ24A**

Littelfuse Inc

SMB

**SMBJ36CA**

Littelfuse Inc

SMB

**SMAJ12CA**

Littelfuse Inc

SMA

**SMCJ30CA**

Littelfuse Inc

SMC

**SMAJ28CA**

Littelfuse Inc

SMA

**SMBJ26CA**

Littelfuse Inc

SMB

**SMBJ17A**

Littelfuse Inc

SMB

**SMBJ20A**

Littelfuse Inc

SMB