

**Diode TVS Single Uni-Dir 13V 600W 2-Pin SMB T/R**

Images are for reference only

[Inquiry](#)

<b>Manufacturer:</b>	<a href="#">Littelfuse Inc</a>
<b>Package/Case:</b>	SMB
<b>Product Type:</b>	Thyristors
<b>Lifecycle:</b>	Active

**General Description**

The SMBJ series is designed specifically to protect sensitive electronic equipment from voltage transients induced by lightning and other transient voltage events.

## Key Features

Excellent clamping capability

Low incremental surge resistance

Typical IR less than 1μA above 12V

For surface mounted applications to optimize board space

Low profile package

Typical failure mode is short from over-specified voltage or current

Whisker test is conducted based on JEDEC JESD201A per its table 4a and 4c

IEC-61000-4-2 ESD 15kV(Air), 8kV (Contact)

ESD protection of data lines in accordance with IEC 61000-4-2 (IEC801-2)

EFT protection of data lines in accordance with IEC 61000-4-4 (IEC801-4)

Built-in strain relief

Fast response time: typically less than 1.0ps from 0V to BV min

600W peak pulse power capability at 10×1000μs waveform, repetition rate (duty cycles):0.01%

Typical maximum temperature coefficient  $\Delta VBR = 0.1\% \times VBR@25^{\circ}C \times \Delta T$

Glass passivated chip junction

High temperature soldering guaranteed: 260°C/40 seconds at terminals

Plastic package has underwriters laboratory flammability 94V-O

Matte tin lead-free plated

Halogen free and RoHS compliant

## Application

TVS devices are ideal for the protection of I/O Interfaces, VCC bus and other vulnerable circuits used in Telecom, Computer, Industrial and Consumer electronic applications.

## 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**

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