

**Diode TVS Single Bi-Dir 40V 3KW 2-Pin SMC T/R****Manufacturer:** [Littelfuse Inc](#)**Package/Case:** DO-214AB**Product Type:** Thyristors**Lifecycle:** Active

Images are for reference only

[Inquiry](#)**General Description**

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

## Key Features

For surface mounted applications in order 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

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

Glass passivated chip junction

3000W peak pulse power capability at 10×1000μs waveform, repetition rate (duty cycles):0.01%

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

Excellent clamping capability

Low incremental surge resistance

Typical IR less than 2μA above 12V

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

## 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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SMB