

Diode TVS Single Uni-Dir 6V 600W 2-Pin SMB T/R



Images are for reference only

[Inquiry](#)

Manufacturer: [Bourns Electronic Solutions](#)

Package/Case: SMB

Product Type: Thyristors

Lifecycle: 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

SMF4L12A

Bourns Electronic Solutions

SOD-123FL

SM8S36CA-Q

Bourns Electronic Solutions

DO-218

SMAJ170CA

Bourns Electronic Solutions

DO-214AC

SMLJ36CA

Bourns Electronic Solutions

DO-214AB

SMAJ7.0CA

Bourns Electronic Solutions

SMA

SMCJ60A

Bourns Electronic Solutions

DO-214AB

P6SMB440CA

Bourns Electronic Solutions

SMB

SMBJ15A

Bourns Electronic Solutions

SMB

SMAJ58A

Bourns Electronic Solutions

SMA

5.0SMDJ12A

Bourns Electronic Solutions

SMC

1.5SMBJ14A

Bourns Electronic Solutions

SMB

1.5SMBJ30CA

Bourns Electronic Solutions

SMB

5.0SMDJ36A

Bourns Electronic Solutions

DO-214AB

5.0SMDJ26A-Q

Bourns Electronic Solutions

SMC

SMLJ110A

Bourns Electronic Solutions

DO-214AB