

**Diode TVS Single Bi-Dir 5.8V 1KW Automotive 2-Pin SMB
T/R**



Images are for reference only

[Inquiry](#)

Manufacturer: [Littelfuse Inc](#)

Package/Case: DO-214AA

Product Type: Thyristors

Lifecycle: Active

General Description

The 1KSMB Series is designed specifically to protect sensitive electronic equipment from voltage transients induced by lightning and other transient voltage events.

Key Features

Halogen-Free

RoHS compliant

For surface mounted applications to optimize board space

Low profile package

Built-in strain relief

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

Glass passivated chip junction

1000W peak pulse power capability at $10 \times 1000\mu s$ 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 $1\mu A$ above 12V

High Temperature soldering guaranteed: $260^{\circ}C/40$ seconds at terminals

Plastic package has Underwriters Laboratory Flammability 94V-O

Matte Tin Lead-free Plated

Available in breakdown Voltage from 6.8V to 180V specially designed for automotive applications

Offers High-Surge rating in compact package: bridges the gap between 600W and 1.5KW

Recommended For You

PESD0402-140

Littelfuse Inc

SMD

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

SP3010-04UTG

Littelfuse Inc

UDFN-10

SMBJ18A

Littelfuse Inc

SMB

SMBJ24A

Littelfuse Inc

SMB

SMBJ36CA

Littelfuse Inc

SMB

5KP33A

Littelfuse Inc

R-6

SMAJ12CA

Littelfuse Inc

SMA

SMCJ30CA

Littelfuse Inc

SMC

SMAJ28CA

Littelfuse Inc

SMA