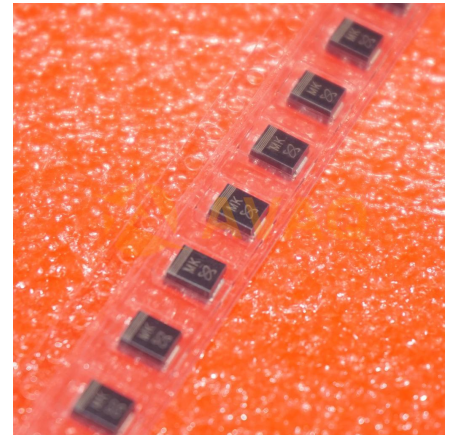


## Diode TVS Single Uni-Dir 30V 600W 2-Pin SMB T/R

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



Images are for reference only

[Inquiry](#)

### General Description

The SMBJ30A is a TVS diode that provides transient voltage suppression for electronic circuits. It is designed to divert excessive voltage away from sensitive components, preventing damage caused by voltage spikes and transients.

### Key Features

**Transient Voltage Suppression:** The SMBJ30A is specifically designed to suppress transient voltage events, such as electrostatic discharge (ESD), lightning strikes, and voltage spikes,

protecting sensitive components.

**Low Clamping Voltage:** The diode has a low clamping voltage, which means it can quickly respond to voltage surges and divert them away from the protected circuit, limiting the voltage level.

**Fast Response Time:** The SMBJ30A has a fast response time, enabling it to react quickly to transient events and provide effective protection to the circuit.

**High Surge Current Handling:** It has a high surge current capability, allowing it to handle large currents that may result from voltage surges or transients.

**Surface Mount Package:** The diode is available in a surface mount SMB (DO-214AA) package, which is suitable for automated assembly processes and compact circuit designs.

### Application

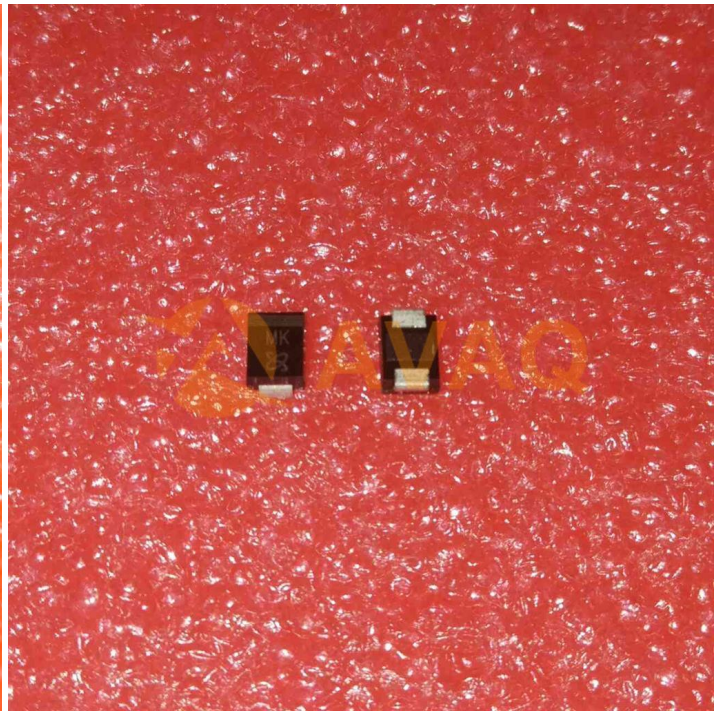
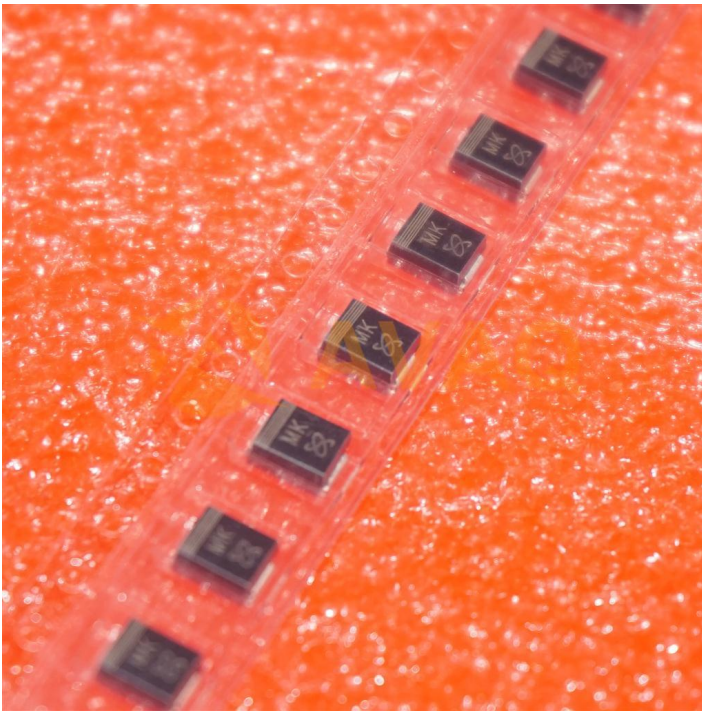
**Power Supply Protection:** It is often used in power supply circuits to protect against voltage spikes and surges that can damage sensitive components, such as integrated circuits (ICs) and microcontrollers.

**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

### 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

### SMF12A

Littelfuse Inc

SOD-123FL