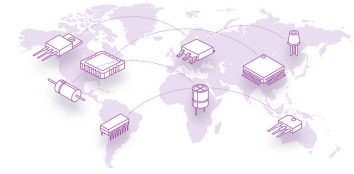


## Diode TVS Single Uni-Dir 15V 5KW 2-Pin Case R-6 T/R



Images are for reference only

[Inquiry](#)

**Manufacturer:** [STMicroelectronics, Inc](#)

**Package/Case:** R-6

**Product Type:** Thyristors

**Lifecycle:** Active

### General Description

The BZW50 TVS series is designed to protect sensitive equipment against electrostatic discharges according to IEC 61000-4-2, MIL STD 883 Method 3015, and electrical overstress such as IEC 61000-4-4 and 5. They are used for surges below 5000 W 10/1000  $\mu$ s. This planar technology makes it compatible with high-end equipment and SMPS where low leakage current and high junction temperature are required to provide reliability and stability over time.

### Key Features

Peak pulse power:

5000 W (10/1000  $\mu$ s)

up to 60 kW (8/20  $\mu$ s)

5000 W (10/1000  $\mu$ s)

up to 60 kW (8/20  $\mu$ s)

Stand-off voltage range from 12 V to 180 V

Unidirectional and bidirectional types

Operating Tj max: 175 °C

High power capability at Tj max.: up to 3700 W (10/1000  $\mu$ s)

Lead finishing: matte tin plating

### Recommended For You

**BZW06-33**

STMicroelectronics, Inc  
DO-15

**BZW50-68**

STMicroelectronics, Inc  
R6

**BZW04-28B**

STMicroelectronics, Inc  
DO-41

**BZW50-15B**

STMicroelectronics, Inc  
R-6

**BZW06-5V8**

STMicroelectronics, Inc  
DO-15

**ESDLIN1524BJ**

STMicroelectronics, Inc  
SOD-323

**ESDA6V1W5**

STMicroelectronics, Inc  
SOT-353

**SMI5T68A**

STMicroelectronics, Inc  
DO-214AB

**ESDCAN24-2BLY**

STMicroelectronics, Inc  
SOT-23-3

**LDP24A**

STMicroelectronics, Inc  
R-6

**DALC208SC6**

STMicroelectronics, Inc  
SOT23-6

**1.5KE350A**

STMicroelectronics, Inc  
DO-201AD

**ESDA14V2LY**

STMicroelectronics, Inc  
SOT-23

**ESDA5V3LY**

STMicroelectronics, Inc  
SOT-23

**SMAJ24A-TR**

STMicroelectronics, Inc  
SMA