

## Diode TVS Single Bi-Dir 33V 3KW Automotive 2-Pin SMC T/R

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

**Package/Case:** DO-214AB

**Product Type:** Thyristors

**Lifecycle:** Active



Images are for reference only

[Inquiry](#)

### General Description

The SM30TY series are designed to protect sensitive automotive circuits against surges defined in ISO 7637-2 and against electrostatic discharges according to ISO 10605. The planar technology makes it compatible with high-end circuits where low leakage current and high junction temperature are required to provide long-term reliability and stability.

### Key Features

AEC-Q101 qualified

Peak pulse power:

3000 W (10/1000  $\mu$ s)

up to 40 kW (8/20  $\mu$ s)

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Stand-off voltage range from 5 V to 188 V

Unidirectional and bidirectional types

Low leakage current: 0.2  $\mu$ A at 25 °C

Operating Tj max: 175 °C

JEDEC registered package outline

Lead finishing: matte tin plating

### Recommended For You

**SMI5T68A**

STMicroelectronics, Inc  
DO-214AB

**SMAJ24A-TR**

STMicroelectronics, Inc  
SMA

**SM2T6V8A**

STMicroelectronics, Inc  
DO-216AA

**SMB0T33AY**

STMicroelectronics, Inc  
SMC

**SM6T27AY**

STMicroelectronics, Inc  
SMB

**SM6T33CAY**

STMicroelectronics, Inc  
SMB

**SM6T36AY**

STMicroelectronics, Inc  
SMB

**SMB0T30CAY**

STMicroelectronics, Inc  
SMC

**SMB0T35CAY**

STMicroelectronics, Inc  
SMC

**SM6T36CAY**

STMicroelectronics, Inc  
SMB

**SM6T27CAY**

STMicroelectronics, Inc  
SMB

**SMI5T56AY**

STMicroelectronics, Inc  
SMC

**SM6T30CAY**

STMicroelectronics, Inc  
SMB

**SMI5T36AY**

STMicroelectronics, Inc  
SMC

**SMI5T36CAY**

STMicroelectronics, Inc  
SMC