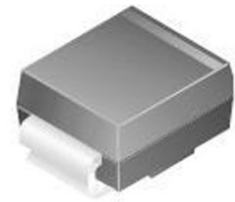


## Diode TVS Single Uni-Dir 30.8V 600W Automotive 2-Pin SMB T/R



Images are for reference only

[Inquiry](#)

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

**Package/Case:** SMB

**Product Type:** Thyristors

**Lifecycle:** Active

### General Description

The SM6TY 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: 600 W (10/1000  $\mu$ s) and 4 kW (8/20  $\mu$ s)

Stand-off voltage range from 5 V to 188 V

Unidirectional and bidirectional types

Low leakage current: 0.2  $\mu$ A at 25 °C and 1  $\mu$ A at 85 °C

Operating Tj max: 150 °C

High power capability at Tj max.: up to 515 W (10/1000  $\mu$ s)

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

**SMB0T30CAY**

STMicroelectronics, Inc

SMC

**SMB0T39CAY**

STMicroelectronics, Inc

DO-214AB

**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