

Diode TVS Single Bi-Dir 47.6V 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 μ s) and 4 kW (8/20 μ s)

Stand-off voltage range from 5 V to 188 V

Unidirectional and bidirectional types

Low leakage current: 0.2 μ A at 25 °C and 1 μ A at 85 °C

Operating Tj max: 150 °C

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

Lead finishing: matte tin plating

Recommended For You

SM15T68A

STMicroelectronics, Inc

DO-214AB

SMAJ24A-TR

STMicroelectronics, Inc

SMA

SM2T6V8A

STMicroelectronics, Inc

DO-216AA

SMB0T33AY

STMicroelectronics, Inc

SMB

SM6T27AY

STMicroelectronics, Inc

SMB

SM6T33CAY

STMicroelectronics, Inc

SMB

SM6T36AY

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