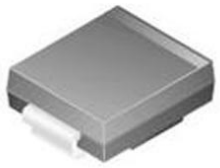
SM15T27CAY

TVS Diode Single Bi-Dir 23.1V 1.5KW Automotive 2-Pin SMC T/R

Manufacturer:	STMicroelectronics, Inc
Package/Case:	SMC
Product Type:	Thyristors
Lifecycle:	Active



Images are for reference only

Inquiry

General Description

The SM15T27CAY is a transient voltage suppressor diode designed to protect electronic circuits from voltage surges and transients caused by events such as electrostatic discharge (ESD) or voltage spikes. It provides reliable overvoltage protection for sensitive components.

The SM15TY 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: 1500 W (10/1000 µs) and 10 kW (8/20 µs)

Stand-off voltage range from 5.8 V to 70 V

Unidirectional and bidirectional types

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

Operating Tj max: 150 °C

High power capability at Tj max.: up to 1250 W (10/1000 µs)

Lead finishing: matte tin plating

Application

Protection of Integrated Circuits

Communication Systems

Power Supplies

Consumer Electronics

Industrial Equipment

Recommended For You

SM15T68A	SMAJ24A-TR	SM2T6V8A
STMicroelectronics, Inc	STMicroelectronics, Inc	STMicroelectronics, Inc
DO-214AB	SMA	DO-216AA

SM30T33AY

STMicroelectronics, Inc

SMC

SM6T27AY

STMicroelectronics, Inc

SMB

SM6T33CAY

STMicroelectronics, Inc

SMB

SM6T36AY

STMicroelectronics, Inc

SMB

SM30T30CAY

STMicroelectronics, Inc

SMC

SM30T39CAY

STMicroelectronics, Inc

DO-214AB

SM30T35CAY

STMicroelectronics, Inc

SMC

SM6T36CAY

STMicroelectronics, Inc

SMB

SM6T27CAY

STMicroelectronics, Inc

SMB

SM15T56AY

STMicroelectronics, Inc

SMC

SM6T30CAY

STMicroelectronics, Inc

SMB

SM15T36AY

STMicroelectronics, Inc

SMC