



## Thyristor Surge Suppressor Devices P1800TB with 170V Min. IDRM=5 $\mu$ A Surge Protection

Our Product Introduction

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### Basic Information

- Place of Origin: Shenzhen, Guangdong, China
- Brand Name: SOCAY
- Certification: REACH,RoHS,ISO
- Model Number: P1800TB
- Minimum Order Quantity: 5000PCS/REEL
- Packaging Details: DO-214AC(SMA)



### Product Specification

- Description: Thyristor Surge Suppressors (TSS)
- Product Name: Thyristor Surge Suppressors (TSS)
- C0@1MHz, 2Vbias: 50pF Typ.
- Abbreviation: TSS DIODES
- VDRM: 170V Min.
- Surge Ratings: 3/4KV(10/700 $\mu$ s)
- Package Size: DO-214AC/SMA
- VS@100V/ $\mu$ S: 220V Max.
- Highlight: **170V Min. Thyristor Surge Suppressor Devices ,  
5 $\mu$ A Thyristor Surge Suppressor Devices ,  
P1800TB Thyristor Surge Suppressor Devices**

## Product Description

Thyristor Surge Suppressor Devices P1800TB with 170V Min. @IDRM=5μA Surge

Protection

**DATASHEET:** [PXXX0TB\\_v2101.2.pdf](#)

### Product Description:

The TSS Diodes have a VDRM rating of 170V minimum, ensuring that they can effectively clamp voltage surges that may cause damage to sensitive electronic equipment. Additionally, the package size of these diodes is DO-214AC/SMA, which is a widely used package in the electronics industry.

These surge suppressors are highly effective in protecting electronic equipment from voltage transients and surges that may occur in the power supply or communication lines. With surge ratings of 3/4KV(10/700μs), these devices can handle high-energy transients and provide reliable protection to sensitive electronic equipment.

The Thyristor Surge Suppressors are commonly used in Ethernet surge protection devices, where they provide protection to the communication lines and prevent damage to sensitive electronic equipment. These devices are also used in other applications, including power supplies, motors, and other electronic equipment that might be exposed to voltage surges and transients.

Overall, the TSS Diodes are an excellent choice for electrical surge protection devices, offering reliable protection to sensitive electronic equipment and communication systems. With their high surge ratings and effective clamping voltage, these devices can prevent damage to equipment and ensure that electronic systems perform optimally.

### Features:

Product Name: Thyristor Surge Suppressors (TSS)

Surge Ratings: 3/4KV(10/700μs)

Description: Thyristor Surge Suppressors (TSS) Surge Protection Device

VS@100V/μS: 220V Max.

Package Size: DO-214AC/SMA

Application: DC Surge Protection Device

### Technical Parameters:

Technical Parameter	Value
Package Size	DO-214AC/SMA
VDRM	170V Min.
C0@1MHz, 2Vbias	50pF Typ.
Abbreviation	TSS DIODES
Product Name	Thyristor Surge Suppressors (TSS)
VS@100V/μS	220V Max.
Surge Ratings	3/4KV(10/700μs)
Description	Thyristor Surge Suppressors (TSS) are electrical surge protection devices that protect against voltage spikes and surges. They are commonly used as Ethernet surge protection devices and DC surge protection devices.

### Applications:

The SOCAY TSS diodes are widely used in Ethernet Surge Protection Devices, surge protection devices for industrial control systems, and surge protectors for home appliances. They are also suitable for use in power supplies, communications equipment, and other electronic devices that require protection from surges and spikes.

The P1800TB TSS diodes are manufactured in Shenzhen, Guangdong, China and have been certified to comply with REACH, RoHS, and ISO standards. With a minimum order quantity of 5000pcs/reel and packaging details of DO-214AC(SMA), these TSS diodes are a

cost-effective solution for protecting your electronic devices from surges and spikes.

The SOCAY TSS diodes have a VDRM of 170V min. and are available in a DO-214AC/SMA package size. They are designed to provide reliable surge protection and are easy to install, making them a popular choice for a wide range of applications and scenarios.

Whether you need surge protection for your home appliances, industrial control systems, or communication equipment, the SOCAY Thyristor Surge Suppressors (TSS) are an excellent choice. With their fast response times, high surge current handling, and reliable performance, these surge suppressors are an essential component of any electronic device that requires protection from surges and spikes.



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