

## Surge Protection TSS Diodes with 3/4KV Surge Ratings 120pF Typ. Capacitance Thyristor Suppressors

Our Product Introduction

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### Basic Information

- Place of Origin: Shenzhen, Guangdong, China
- Brand Name: SOCAY
- Certification: REACH, RoHS, ISO
- Model Number: P0220TB
- Minimum Order Quantity: 5000PCS/REEL
- Packaging Details: DO-214AC(SMA)



### Product Specification

- Surge Ratings: 3/4KV(10/700μs)
- Description: Thyristor Surge Suppressors (TSS)
- Package Size: DO-214AC/SMA
- C0@1MHz, 2Vbias: 120pF Typ.
- Product Name: Thyristor Surge Suppressors (TSS)
- VS@100V/μS: 30V Max.
- Abbreviation: TSS DIODES
- VDRM: 15V Min.
- Highlight: **3/4KV Surge Protection TSS Diodes,  
120pF Surge Protection TSS Diodes,  
Surge Protection Thyristor Suppressors**

## Product Description

### Surge Protection TSS Diodes with 3/4KV Surge Ratings 120pF Typ. Capacitance Thyristor Suppressors

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

#### Product Description:

These DC surge protection devices are specially designed to protect sensitive electronics from the damaging effects of transient overvoltage. With surge ratings of 3/4KV (10/700 $\mu$ s), the TSS provides superior protection against lightning strikes, power surges, and other transient events that can damage your equipment.

Abbreviated as TSS DIODES, these surge suppressors utilize thyristor technology for fast response times and low clamping voltages. This makes them ideal for use in applications where high-speed protection is critical, such as Ethernet surge protection devices. The TSS DIODES have a minimum VDRM (Voltage Direct Reverse Max) of 15V, ensuring that they provide reliable protection against overvoltage events. Additionally, they have a C0@1MHz, 2Vbias of 120pF Typ, making them ideal for use in high-frequency applications. Whether you're protecting sensitive electronics in a data center or ensuring the integrity of critical industrial equipment, the TSS is the perfect choice for your surge protection needs. With their superior surge ratings, fast response times, and low clamping voltages, these DC surge protection devices provide reliable protection against transient events that can cause costly downtime and equipment damage.

#### Features:

Product Name: Thyristor Surge Suppressors

Abbreviation: TSS DIODES

VDRM: 15V Min.

Surge Ratings: 3/4KV(10/700 $\mu$ s)

C0@1MHz, 2Vbias: 120pF Typ.

VS@100V/ $\mu$ S: 30V Max.

Our Thyristor Surge Suppressors, also known as TSS DIODES, are a DC Surge Protection Device that can handle a surge rating of 3/4KV(10/700 $\mu$ s). With a minimum VDRM of 15V and a maximum VS@100V/ $\mu$ S of 30V, these suppressors are reliable and effective. Additionally, our Thyristor Surge Suppressors have a C0@1MHz, 2Vbias of 120pF Typ.

#### Technical Parameters:

Package Size	DO-214AC/SMA
Abbreviation	TSS DIODES
C0@1MHz, 2Vbias	120pF Typ.
Description	Thyristor Surge Suppressors (TSS)
Surge Ratings	3/4KV(10/700 $\mu$ s)
VS@100V/ $\mu$ S	30V Max.
VDRM	15V Min.
Product Name	Thyristor Surge Suppressors (TSS)

This product is a DC Surge Protection Device, Electrical Surge Protection Device, ideal for protecting your equipment from electrical surges.

#### Applications:

**Power Supplies:** TSS DIODES are commonly used in power supplies to protect sensitive components from voltage spikes and surges. The SOCAP P0220TB model is an ideal solution for this application due to its low clamping voltage and high surge current capability.

**Industrial Automation:** Industrial automation equipment is often subjected to electrical noise and interference, which can cause damage to sensitive electronics. TSS DIODES are commonly used in this application to protect against voltage surges and spikes. The SOCAP P0220TB model is an ideal solution for this application due to its compact size and high surge current capability.

**Telecommunications:** TSS DIODES are commonly used in telecommunications equipment to protect against voltage surges and spikes. The SOCAP P0220TB model is an ideal solution for this application due to its low clamping voltage and high surge current capability.

**Ethernet Surge Protection Devices:** TSS DIODES are commonly used in Ethernet surge protection devices to protect against voltage surges and spikes. The SOCAP P0220TB model is an ideal solution for this application due to its low clamping voltage and high surge current capability.

The SOCAP P0220TB model is manufactured in Shenzhen, Guangdong, China and is certified by REACH, RoHS, and ISO. The minimum order quantity is 5000PCS/REEL and the packaging details include DO-214AC(SMA) package size. The TSS DIODES have a VS@100V/ $\mu$ S of 30V Max. and a VDRM of 15V Min. The SOCAP brand is well-known in the industry for its reliable and high-quality products, and the P0220TB model is no exception. Whether you are designing a power supply, industrial automation equipment, telecommunications equipment, or Ethernet surge protection devices, the SOCAP P0220TB TSS DIODES are an ideal solution for protecting sensitive electronics against damaging voltage surges and spikes.

## Customization:

Brand Name: SOCAY

Model Number: P0220TB

Place of Origin: Shenzhen, Guangdong, China

Certification: REACH,RoHS,ISO

Minimum Order Quantity: 5000PCS/REEL

Packaging Details: DO-214AC(SMA)

C0@1MHz, 2Vbias: 120pF Typ.

VS@100V/ $\mu$ S: 30V Max.

Surge Ratings: 3/4KV(10/700 $\mu$ s)

SOCAY offers customization services for Thyristor Surge Suppressors (TSS DIODES), a type of Surge Protection Device that protects electronic devices from voltage spikes and surges. Our TSS products are designed to be compatible with Ethernet Surge Protection Devices, providing reliable protection for network and communication equipment. Contact us for more information on customizing our TSS products to meet your specific needs.

## FAQ:

**Q1: What is the brand name of the Thyristor Surge Suppressors?**

A1: The brand name of the Thyristor Surge Suppressors is SOCAY.

**Q2: What is the model number of the Thyristor Surge Suppressors?**

A2: The model number of the Thyristor Surge Suppressors is P0220TB.

**Q3: Where are the Thyristor Surge Suppressors manufactured?**

A3: The Thyristor Surge Suppressors are manufactured in Shenzhen, Guangdong, China.

**Q4: Does the Thyristor Surge Suppressors have any certification?**

A4: Yes, the Thyristor Surge Suppressors have REACH, RoHS, and ISO certifications.

**Q5: What is the minimum order quantity and packaging detail of the Thyristor Surge Suppressors?**

A5: The minimum order quantity for the Thyristor Surge Suppressors is 5000PCS/REEL and the packaging details are DO-214AC(SMA).



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