



## 3/4KV Surge Protection Thyristor Suppressors Surge TSS Diodes P1100TB For Robust Electronics

Our Product Introduction

for more products please visit us on [socaydiode.com](http://socaydiode.com)

### Basic Information

- Place of Origin: Shenzhen, Guangdong, China
- Brand Name: SOCAY
- Certification: REACH,RoHS,ISO
- Model Number: P1100TB
- Minimum Order Quantity: 5000PCS/REEL
- Packaging Details: DO-214AC(SMA)



### Product Specification

- Product Name: Thyristor Surge Suppressors (TSS)
- Abbreviation: TSS DIODES
- Description: Thyristor Surge Suppressors (TSS)
- VDRM: 90V Min.
- Package Size: DO-214AC/SMA
- C0@1MHz, 2Vbias: 70pF Typ.
- VS@100V/μS: 130V Max.
- Surge Ratings: 3/4KV(10/700μs)
- Highlight: **Robust Electronics Surge Protection Thyristor Suppressors**  
, **3/4KV Surge Protection Thyristor Suppressors**  
,  
**P1100TB Surge Protection Thyristor Suppressors**

## Product Description

### 3/4KV Surge Protection Thyristor Suppressors Surge TSS Diodes P1100TB for Robust

#### Electronics

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

#### Product Description:

The TSS Diodes are designed to provide surge protection for a wide range of applications and are available in a variety of surge ratings. The surge ratings for the TSS Diodes typically range from 3/4KV(10/700 $\mu$ s). The higher the surge rating, the greater the level of protection that the TSS Diodes can provide.

Another important attribute of the TSS Diodes is their capacitance. The C0@1MHz, 2Vbias is typically 70pF Typ. This means that the TSS Diodes have a low capacitance, which is important for applications where high-frequency signals are being transmitted. The low capacitance helps to ensure that the TSS Diodes do not interfere with the signal quality.

The TSS Diodes are also known for their high VDRM rating. The VDRM rating for the TSS Diodes is typically 90V Min. This means that the TSS Diodes can withstand high voltages without becoming damaged. This is particularly important in applications where there is a risk of high voltage surges.

In summary, TSS Diodes are an essential component in any electronic equipment that requires surge protection. They are designed to protect sensitive circuits from voltage surges by diverting excess voltage away from the circuits. TSS Diodes are available in a range of surge ratings, capacitances, and VDRM ratings, making them suitable for a wide range of applications, including Ethernet Surge Protection Devices, DC Surge Protection Devices, and Ethernet Surge Protection Devices.

#### Features:

Product Name: Thyristor Surge Suppressors (TSS)

VS@100V/ $\mu$ S: 130V Max.

C0@1MHz, 2Vbias: 70pF Typ.

Description: Thyristor Surge Suppressors (TSS) - The TSS is a Surge Protection Device designed to protect electronic equipment from voltage spikes and transient overvoltage events.

VDRM: 90V Min.

#### Technical Parameters:

Product Name	Thyristor Surge Suppressors (TSS)
C0@1MHz, 2Vbias	70pF Typ.
VDRM	90V Min.
Package Size	DO-214AC/SMA
Surge Ratings	3/4KV(10/700 $\mu$ s)
Description	Thyristor Surge Suppressors (TSS)
VS@100V/ $\mu$ S	130V Max.
Abbreviation	TSS DIODES

These Thyristor Surge Suppressors (TSS) are an effective DC Surge Protection Device, commonly used as Electrical Surge Protection Devices. With a surge rating of 3/4KV(10/700 $\mu$ s), they provide reliable surge protection for a variety of applications.

#### Applications:

The SOCAP P1100TB TSS is suitable for a variety of product application occasions and scenarios. It can be used in computer servers, telecommunications equipment, industrial machinery, and more. It is particularly useful in areas where electrical surges are common, such as lightning-prone areas.

The SOCAP P1100TB TSS 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 are DO-214AC (SMA). The package size is also DO-214AC/SMA.

One of the key features of the SOCAP P1100TB TSS is its low capacitance. With a C0@1MHz, 2Vbias of 70pF Typ., this device minimizes the effect of the surge on the equipment being protected.

Overall, the SOCAP P1100TB TSS is an essential tool for anyone in need of reliable surge protection. Its high surge rating, low capacitance, and certifications make it a top choice for electrical surge protection devices.

#### FAQ:

##### Frequently Asked Questions for SOCAP Thyristor Surge Suppressors P1100TB

**Q: What is a Thyristor Surge Suppressor?**

A: A Thyristor Surge Suppressor is a device that helps protect electronic circuits from voltage spikes or surges.

**Q: What is the brand name of this Thyristor Surge Suppressor?**

A: The brand name of this Thyristor Surge Suppressor is SOCAP.

**Q: What is the model number of this Thyristor Surge Suppressor?**

A: The model number of this Thyristor Surge Suppressor is P1100TB.

**Q: What certifications does this Thyristor Surge Suppressor have?**

A: This Thyristor Surge Suppressor has REACH, RoHS, and ISO certifications.

**Q: What are the packaging details for this Thyristor Surge Suppressor?**

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



**Shenzhen Socay Electronics Co., Ltd.**



+8618126201429



sylvia@socay.com



socaydiode.com

4/F, Block C, HeHengXing Science & Technology Park, 19 MinQing Road, LongHua District, Shenzhen City,  
GuangDong Province, China