



Thyristor Surge Suppressors TSS DC Surge Protection Device with C0 1MHz 2Vbias 120pF Typ

Our Product Introduction

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Basic Information

- Place of Origin: Shenzhen, Guangdong, China
- Brand Name: SOCAY
- Certification: REACH,RoHS,ISO
- Model Number: P0300TB
- Minimum Order Quantity: 5000PCS/REEL
- Packaging Details: DO-214AC(SMA)



Product Specification

- Product Name: Thyristor Surge Suppressors (TSS)
- Package Size: DO-214AC/SMA
- Description: Thyristor Surge Suppressors (TSS)
- Surge Ratings: 3/4KV(10/700 μ s)
- C0@1MHz, 2Vbias: 120pF Typ.
- Abbreviation: TSS DIODES
- VS@100V/ μ S: 40V Max.
- VDRM: 25V Min.
- Highlight: **1MHz Thyristor Surge Suppressors ,
120pF Typ Thyristor Surge Suppressors ,
TSS DC Surge Protection Device**

Product Description

Thyristor Surge Suppressors TSS DC Surge Protection Device with C0 1MHz 2Vbias 120pF

Typ

DATASHEET: [PXXX0TB_v2101.2.pdf](#)

Product Description:

The TSS Diodes have a C0@1MHz, 2Vbias specification of 120pF typ. This means that they have a capacitance of 45 picofarads at 1MHz and a bias voltage of 2V. This is an important parameter to consider when selecting a surge suppressor, as excessive capacitance can degrade the signal quality and affect network performance.

The TSS Diodes are available in a DO-214AC/SMA package size, which is a surface-mount device (SMD) package that is commonly used in Ethernet applications. The small form factor of these devices makes them ideal for space-constrained applications where size and weight are critical factors.

Thyristor Surge Suppressors (TSS) are an essential component in protecting Ethernet networks from power surges and voltage spikes. The TSS Diodes provide reliable, high-performance surge protection in a compact, surface-mount package. With their low capacitance and high surge current handling capability, these devices are an excellent choice for Ethernet Surge Protection Devices.

Features:

Product Name: Thyristor Surge Suppressors

Surge Ratings: 3/4KV(10/700µs)

Abbreviation: TSS DIODES

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

Package Size: DO-214AC/SMA

VDRM: 25V Min.

DC Surge Protection Device: Yes

Ethernet Surge Protection Devices: No

Technical Parameters:

| | |
|-----------------|-----------------------------------|
| Description | Thyristor Surge Suppressors (TSS) |
| Abbreviation | TSS DIODES |
| VS@100V/µS | 40V Max. |
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| Surge Ratings | 3/4KV(10/700µs) |
| VDRM | 25V Min. |
| Package Size | DO-214AC/SMA |

Electrical Surge Protection Devices, DC Surge Protection Device

Applications:

Thyristor surge suppressors are commonly used in a variety of applications, including Ethernet surge protection devices. Ethernet surge protection devices are used to protect Ethernet equipment from voltage surges and spikes that can cause damage to the equipment or disrupt network communication. The SOCA Y P0300TB is suitable for use in these applications due to its surge rating and voltage clamping capabilities.

The SOCA Y P0300TB Thyristor Surge Suppressors are also suitable for use in other applications where electrical surge protection devices are needed, such as power supplies, motor control systems, and telecommunications equipment. They provide reliable protection against voltage surges and spikes and can help to prevent equipment damage and downtime.



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