Component Thyristor Surge Suppressors P0720SA for Industrial Surge Suppression

Our Product Introduction

Basic Information

- Place of Origin: Shenzhen, Guangdong, China
- Brand Name: SOCAY
- Certification: REACH,RoHS,ISO
- Model Number: P0720SA
- Minimum Order Quantity: 2500PCS/REEL

Product Specification

- Description: Thyristor Surge Suppressors (TSS)
- Package Size: DO-214AA/SMB
- Maximum Leakage Current: Less Than 5μA
- Tss Name: Thyristor Surge Suppressors (TSS)
- Component: Thyristor Surge Suppressors
- Item: TSS DIODES
- Highlight: **Industrial Suppression Thyristor Surge Suppressors**
, **Thyristor Surge Suppressors P0720SA**

Product Description

Product Description:

The TSS Diodes, a state-of-the-art Thyristor Surge Suppressors (TSS), are a critical innovation in the domain of surge protection, offering a robust solution for safeguarding sensitive electronic circuits from voltage transients and spikes. These advanced surge protection devices are designed to clamp excessive transient voltages and divert dangerous surge currents away from electronic equipment, thereby ensuring operational stability and extending the lifespan of the device. Engineered to handle surge events with exceptional efficiency, these DC Surge Protection Devices are an indispensable component for a wide array of applications, including power supplies, telecom systems, and other sensitive electronics.

These TSS Diodes are housed in the compact yet robust DO-214AA/SMB package size, which is widely recognized for its ability to fit into space-constrained applications without compromising on performance. This package design offers a perfect balance between physical resilience and thermal performance, ensuring that the device operates reliably even under harsh conditions. Its small footprint makes it an ideal choice for modern electronic designs where board space is at a premium.

One of the standout attributes of the TSS Diodes is their remarkably low maximum leakage current of less than 5μA. This minimal leakage current is a testament to the device's high-quality design and manufacturing standards, which ensure minimal power loss and optimal efficiency. By maintaining such low leakage levels, these Thyristor Surge Suppressors safeguard against unnecessary power consumption, thus contributing to energy savings and reducing the overall carbon footprint of the electronic systems they protect.

The core component of these TSS Diodes is the Thyristor Surge Suppressors technology, which is specifically tailored to protect against overvoltage transients. The TSS technology is renowned for its rapid response time and its ability to handle high surge current capabilities. When a transient voltage exceeds the Thyristor's specified 'breakover' voltage, the device switches from a high-impedance off-state to a low-impedance on-state, clamping the transient voltage to a safe level and allowing substantial currents to flow to the ground or return path, effectively protecting the downstream circuitry.

As a Surge Protection Device, the TSS Diodes are engineered to meet stringent industry standards and to withstand repetitive surge events without degradation. Their robust construction and meticulous design ensure a long operational life and consistent performance, making them a reliable component in any surge protection strategy. The ability to withstand repetitive surges is a crucial attribute for any surge protection component, and the TSS Diodes excel in this regard.

Furthermore, as a DC Surge Protection Device, the TSS Diodes are optimized for direct current applications, where the nature of the power source demands specialized protection mechanisms. DC power systems are particularly vulnerable to surges caused by lightning, load switching, or fault conditions, and the TSS Diodes provide the necessary defense against these potentially damaging events. By incorporating these devices into DC power circuits, designers can ensure enhanced safety and reliability for their systems.

In conclusion, the TSS Diodes embody the pinnacle of Thyristor Surge Suppressors, offering exceptional surge protection capabilities in a small, efficient package. With their low leakage current, rapid response times, and ability to handle repetitive surges, they stand out as a comprehensive solution for safeguarding electronic equipment from voltage transients. Whether deployed in power supplies, telecom infrastructures, or other critical applications, the TSS Diodes are an indispensable asset for any surge protection strategy, ensuring that electronic systems operate safely and reliably under all conditions.

Features:

Product Name: Thyristor Surge Suppressors

Maximum Leakage Current: Less Than 5μA

Tss Name: Thyristor Surge Suppressors (TSS)

Item: TSS DIODES

Package Size: DO-214AA/SMB

Description: Thyristor Surge Suppressors (TSS) are an effective DC Surge Protection Device designed to safeguard sensitive electronic circuits from voltage transients and surges.

Technical Parameters:

Attribute	Details
Component	Thyristor Surge Suppressors (TSS)
Maximum Leakage Current	Less Than 5μA
Description	Thyristor Surge Suppressors (TSS) are a DC Surge Protection Device used as Electrical Surge Protection Devices to safeguard electronic circuits from overvoltage transients.
Package Size	DO-214AA/SMB
Item	TSS DIODES
Tss Name	Thyristor Surge Suppressors (TSS)

Applications:

The SOCAY P0720SA Thyristor Surge Suppressors are designed to provide robust protection against transient over-voltage conditions, making them ideal for a variety of applications and scenarios where Ethernet surge protection is crucial. As Ethernet Surge Protection Devices, these suppressors ensure the safety and longevity of electronic equipment by limiting voltage spikes and diverting excess current away from sensitive components.

Manufactured in the technological hub of Shenzhen, Guangdong, China, the SOCAY P0720SA meets stringent industry standards, as evidenced by its REACH, RoHS, and ISO certifications. Customers can trust in the quality and reliability of these components, which are available with a minimum order quantity of 2500 pieces per reel.

Specifically designed as TSS DIODES, these Thyristor Surge Suppressors are suitable for scenarios where networking equipment is at risk due to unstable power conditions or lightning strikes. Common applications include commercial and residential routers, switches, and modems that provide Ethernet connectivity. The SOCAY P0720SA can be seamlessly integrated into the circuitry of these devices, thanks to its DO-214AA/SMB package size that caters to standard industry layouts.
Moreover, the SOCAY P0720SA is ideal for deployment in data centers, where multiple Ethernet connections are the backbone of enterprise operations. The minimized maximum leakage current of less than 5μA ensures that the performance of these suppressors does not impede the normal operation of the equipment while offering continuous Ethernet surge protection.
Telecommunication infrastructure, including base stations and network repeaters, also benefits from the protection offered by the SOCAY P0720SA. These environments are particularly prone to electrical surges due to their extensive cabling and exposure to external elements. Implementing TSS diodes within these systems significantly reduces the risk of damage and downtime resulting from voltage transients.
Additionally, industrial control systems that rely on Ethernet communication for sensors, actuators, and controllers can incorporate the SOCAY P0720SA to safeguard against electrical noise and surges that often occur in industrial settings. The protection of these critical components is paramount to maintaining operational integrity and safety.
In summary, the SOCAY P0720SA Thyristor Surge Suppressors are indispensable Ethernet Surge Protection Devices for any scenario where electronic equipment is susceptible to over-voltage events. With its reliable performance, certifications, and convenient packaging, the SOCAY P0720SA is the go-to solution for engineers and designers looking to enhance the durability and reliability of their Ethernet-connected systems.

Customization:

Brand Name: **SOCAY**
Model Number: **P0720SA**
Place of Origin: **Shenzhen, Guangdong, China**
Certification: **REACH, RoHS, ISO**
Minimum Order Quantity: **2500PCS/REEL**
Item: **TSS DIODES**
Tss Name: **Thyristor Surge Suppressors (TSS)**
Maximum Leakage Current: **Less Than 5μA**
Package Size: **DO-214AA/SMB**
Component: **Thyristor Surge Suppressors**
Discover our reliable **Electrical Surge Protection Devices** designed to safeguard your sensitive electronics. The SOCAY P0720SA model is a cutting-edge **DC Surge Protection Device** , meticulously crafted in Shenzhen, Guangdong, China. Each device holds certifications for REACH, RoHS, and ISO standards, ensuring compliance with international safety and environmental policies. With a minimum order of 2500PCS/REEL, these TSS Diodes are ideal for volume integration into your systems. The **Surge Protection Device** offers superior protection with a maximum leakage current of less than 5μA. Packaged conveniently in DO-214AA/SMB size, the SOCAY Thyristor Surge Suppressors are essential for robust electrical circuit protection.

FAQ:

Q1: What is the brand name of the Thyristor Surge Suppressors available?
A1: The brand name of the Thyristor Surge Suppressors we offer is SOCAY.
Q2: Can you provide the model number for the Thyristor Surge Suppressors?
A2: Yes, the model number for our Thyristor Surge Suppressors is P0720SA.
Q3: Where are the SOCAY Thyristor Surge Suppressors manufactured?
A3: The SOCAY Thyristor Surge Suppressors are manufactured in Shenzhen, Guangdong, China.
Q4: Do the SOCAY Thyristor Surge Suppressors have any certifications?
A4: Yes, our Thyristor Surge Suppressors are certified with REACH, RoHS, and ISO certifications.
Q5: What is the minimum order quantity for the SOCAY P0720SA Thyristor Surge Suppressors?
A5: The minimum order quantity for the SOCAY P0640SA Thyristor Surge Suppressors is 2500PCS/REEL.

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