Tss Name P0900SA Thyristor Surge Suppressors TSS Maximum Leakage Current Less Than 5μA

Our Product Introduction

Basic Information

- Place of Origin: Shenzhen, Guangdong, China
- Brand Name: SOCAY
- Certification: REACH,RoHS,ISO
- Model Number: P0900SA
- Minimum Order Quantity: 2500PCS/REEL

Product Specification

- Item: TSS DIODES
- Component: Thyristor Surge Suppressors
- Description: Thyristor Surge Suppressors (TSS)
- Tss Name: Thyristor Surge Suppressors (TSS)
- Maximum Leakage Current: Less Than 5μA
- Package Size: DO-214AA/SMB
- Highlight: **5μA Thyristor Surge Suppressors**, **P0900SA Thyristor Surge Suppressors**

Product Description

Product Description:

The world of electronics is vulnerable to the capricious nature of power surges, which can result from a variety of events, including lightning strikes, power line disturbances, and large fluctuations in voltage. To safeguard sensitive circuits, particularly in communication interfaces like Ethernet, a robust protective solution is vital. Enter the realm of Thyristor Surge Suppressors (TSS), a specialized component designed to provide superior protection against transient voltage spikes. Among these, the TSS DIODES, enclosed in a DO-214AA/SMB package, stand out as a preeminent choice for Ethernet Surge Protection Devices.

Thyristor Surge Suppressors are semiconductor devices that limit voltage surges by switching the surge energy to an alternate path. The unique selling proposition of the TSS DIODES is their remarkable ability to clamp and withstand high-energy transients, thereby shielding sensitive electronic components from the devastating effects of overvoltage conditions. The compact DO-214AA/SMB package size makes them an ideal choice for space-constrained applications, without compromising on the protection they deliver.

One of the most critical parameters to consider when evaluating surge suppressors is the maximum leakage current. The TSS DIODES boast an impressive maximum leakage current of less than 5μA, ensuring that almost no current is wasted when the device is in standby mode. This ultra-low leakage is crucial for maintaining the efficacy and longevity of the circuit, making it an energy-efficient choice for continuous protection against transient voltages.

When it comes to Ethernet Surge Protection Devices, the TSS DIODES rise to the occasion with their dedicated design to protect Ethernet interfaces. With the ubiquity of Ethernet in networking and communication systems, the need for reliable surge protection is paramount. The TSS technology is particularly well-suited to these applications, providing bidirectional clamping, fast response times, and a low-capacitance design to preserve the integrity of high-speed data signals while offering robust surge protection.

The TSS DIODES in the DO-214AA/SMB package are engineered to tackle the most demanding surge protection requirements. They are an essential component for designers and engineers who seek to fortify their Ethernet interfaces against the unpredictable nature of voltage transients. By integrating these Thyristor Surge Suppressors into their designs, professionals can ensure that their equipment is not only safe from power disturbances but also performs reliably over time.

Moreover, the DO-214AA/SMB package is widely recognized for its ease of PCB mounting and compatibility with automatic pick-and-place equipment, which facilitates efficient manufacturing and assembly processes. The TSS DIODES' package robustness, combined with its high surge handling capability, makes it a premier choice for both commercial and industrial Ethernet applications where reliability and uptime are non-negotiable.

In conclusion, the TSS DIODES are an exemplary embodiment of cutting-edge Thyristor Surge Suppressors. Their maximum leakage current of less than 5μA, combined with their sophisticated design in a compact DO-214AA/SMB package, makes them an indispensable asset for Ethernet Surge Protection Devices. These diodes deliver on the promise of protecting critical Ethernet infrastructure from the vagaries of electrical surges, thus ensuring uninterrupted connectivity and communication in an increasingly networked world. For any application where Ethernet surge protection is a concern, the TSS DIODES offer a solution that is both reliable and efficient.

Features:

Product Name: Thyristor Surge Suppressors

Package Size: DO-214AA/SMB

Description: Thyristor Surge Suppressors (TSS) are designed as a Surge Protection Device to shield sensitive electronic equipment from damaging voltage spikes.

Maximum Leakage Current: Less Than 5μA

TSS Name: Thyristor Surge Suppressors (TSS)

Component: Thyristor Surge Suppressors

Key Feature: Provides Electrical Surge Protection for a wide range of applications.

Key Feature: Ideal for Ethernet Surge Protection Devices, ensuring network stability and integrity.

Technical Parameters:

Attribute	Details
Item	TSS DIODES
Package Size	DO-214AA/SMB
Description	Thyristor Surge Suppressors (TSS) are Electrical Surge Protection Devices designed to protect electronic circuits from overvoltage transients.
Component	Thyristor Surge Suppressors
Tss Name	Thyristor Surge Suppressors (TSS) – A Surge Protection Device specifically for DC Surge Protection Device applications.
Maximum Leakage Current	Less Than 5μA

Applications:

The SOCAY P0900SA Thyristor Surge Suppressors are a sophisticated solution designed for surge protection in a multitude of applications. These state-of-the-art components are meticulously crafted in Shenzhen, Guangdong, China, guaranteeing the highest level of quality and reliability. As a testament to their safety and environmental compliance, they come with certifications like REACH, RoHS, and ISO.

Each SOCAY Thyristor Surge Suppressor is packaged in the DO-214AA/SMB format, with a minimum order quantity of 2500 pieces per reel, ensuring that large-scale projects can be accommodated with ease. The P0900SA model is specially designed as a Surge

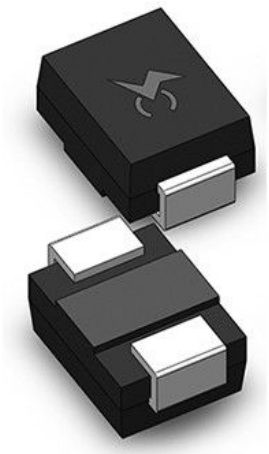
Protection Device, which is an essential component in safeguarding electronic circuits from transient over-voltage events.
One of the key application scenarios for the SOCAY P0900SA is in DC Surge Protection Devices. These devices are commonly utilized in DC power supply systems, including photovoltaic installations, telecommunications equipment, and any other DC-powered electronic systems that require robust protection against surges. By integrating the P0900SA into these systems, users can ensure that their equipment is shielded from the damaging effects of electrical transients, which can result from lightning strikes or switching operations.
Additionally, the SOCAY Thyristor Surge Suppressors are ideal for use in a variety of other surge-sensitive environments. For instance, they can be deployed in industrial control systems, where precise operation is critical, and any disruption due to voltage spikes can lead to system failures or downtime. With a maximum leakage current of less than 5μA, the SOCAY P0900SA ensures that the protective circuit remains highly efficient and does not affect the normal operation of the protected system.
Moreover, these TSS DIODES are suitable for residential and commercial buildings where sensitive electronic equipment is used, such as computers, home entertainment systems, and smart home devices. The inclusion of SOCAY's Thyristor Surge Suppressors in these scenarios can help prevent data loss, hardware damage, and ensure the longevity of the devices.
In summary, the SOCAY P0900SA model offers reliable surge protection for a variety of applications where electrical surge could pose a risk to the integrity and functionality of electronic equipment. Whether it's for DC power systems, industrial applications, or consumer electronics, these Thyristor Surge Suppressors provide the necessary defense against voltage transients, ensuring peace of mind and continued operation of critical systems.

Customization:

Brand Name: SOCAY
Model Number: P0900SA
Place of Origin: Shenzhen, Guangdong, China
Certification: REACH, RoHS, ISO
Minimum Order Quantity: 2500PCS/REEL
Maximum Leakage Current: Less Than 5μA
Tss Name: Thyristor Surge Suppressors (TSS)
Package Size: DO-214AA/SMB
Item: TSS DIODES
Description: SOCAY's model P0900SA Thyristor Surge Suppressors (TSS) are high-quality Electrical Surge Protection Devices designed to protect electronic circuits from overvoltage transients. Our TSS DIODES, certified with REACH, RoHS, and ISO standards, ensure maximum reliability and performance. Originating from Shenzhen, Guangdong, China, these Thyristor Surge Suppressors offer superior surge protection with a maximum leakage current of less than 5μA, packaged conveniently in DO-214AA/SMB size. Ensure your devices are safeguarded with SOCAY's dependable TSS solutions.

FAQ:

Q1: What is the brand name of the Thyristor Surge Suppressors?
A1: The brand name of the Thyristor Surge Suppressors is SOCAY.
Q2: Can you provide the model number for the SOCAY Thyristor Surge Suppressors?
A2: Yes, the model number for the SOCAY Thyristor Surge Suppressors is P0900SA.
Q3: Where is the SOCAY P0900SA Thyristor Surge Suppressor manufactured?
A3: The SOCAY P0640SA Thyristor Surge Suppressor is manufactured in Shenzhen, Guangdong, China.
Q4: Does the SOCAY P0900SA Thyristor Surge Suppressor come with any certifications?
A4: Yes, the SOCAY P0900SA Thyristor Surge Suppressor comes with REACH, RoHS, and ISO certifications.
Q5: What is the minimum order quantity for the SOCAY P0640SA Thyristor Surge Suppressors?
A5: The minimum order quantity for the SOCAY P0900SA Thyristor Surge Suppressors is 2500PCS/REEL.



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