



## Thyristor Surge Suppressors TSS DIODES P0640SA for Dependable Overvoltage Protection

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: P0640SA
- Minimum Order Quantity: 2500PCS/REEL



### Product Specification

- Maximum Leakage Current: Less Than 5 $\mu$ A
- Tss Name: Thyristor Surge Suppressors (TSS)
- Description: Thyristor Surge Suppressors (TSS)
- Component: Thyristor Surge Suppressors
- Item: TSS DIODES
- Package Size: DO-214AA/SMB
- Highlight: **Overvoltage Protection Thyristor Surge Suppressors**  
**, TSS DIODES P0640SA,**  
**Overvoltage Protection TSS DIODES**

## Product Description

### Product Description:

The TSS Diodes, designed as state-of-the-art Thyristor Surge Suppressors, provide robust protection against transient voltage spikes, making them an essential component in safeguarding sensitive electronic circuits. These devices are meticulously engineered to shield a variety of applications, including Ethernet Surge Protection Devices, from the detrimental effects of electrical surges. Their construction and performance are tailored to meet the stringent requirements of industries that rely on the integrity of their electrical systems.

Our Thyristor Surge Suppressors are housed in a compact DO-214AA/SMB package size, which offers a balance between physical robustness and space-saving design, enabling them to be integrated into systems where board space is at a premium. Despite their small form factor, these TSS Diodes do not compromise on surge protection capabilities. They are specifically designed to clamp excessive transient voltages and divert surge currents away from sensitive components, thereby preventing damage and prolonging the life of the electronic system.

The operational excellence of our TSS Diodes is highlighted by their maximum leakage current specification, which is rated at less than 5µA. This attribute ensures that the devices maintain minimal power dissipation in their standby state, contributing to the overall energy efficiency of the system they protect. The low leakage current characteristic is particularly beneficial in applications where power conservation is critical, such as in battery-operated devices or energy-sensitive communication infrastructures.

Among their many applications, our Thyristor Surge Suppressors excel as Ethernet Surge Protection Devices. In today's interconnected world, Ethernet networks are the backbone of communication in both commercial and industrial environments. These networks are often exposed to the risk of voltage surges, which can originate from various sources such as lightning strikes, power grid fluctuations, or the switching of inductive loads. Our TSS Diodes are expertly designed to mitigate these risks, ensuring the reliability and stability of Ethernet networks by providing superior surge protection performance.

With the integration of our Thyristor Surge Suppressors into Ethernet systems, network uptime is significantly improved. The TSS Diodes act as a formidable barrier against transient voltages, which can cause data corruption, equipment malfunctions, and extended downtime. Their rapid response to overvoltages ensures that the communication lines remain intact and operational, even under the harshest electrical disturbances. This level of protection is indispensable for industries that depend on continuous data exchange and cannot afford the costly consequences of network failures.

In summary, the TSS Diodes represent a pinnacle of surge protection technology. As Thyristor Surge Suppressors, they deliver unparalleled performance in safeguarding electronic systems from voltage transients. Their low leakage current specification, compact package size, and exceptional protection capabilities make them an ideal choice for a wide range of applications, including Ethernet Surge Protection Devices. By choosing our TSS Diodes, you are opting for a product that not only secures your electronic assets but also contributes to the seamless operation of your business. Invest in our Thyristor Surge Suppressors today and experience the peace of mind that comes with superior electrical protection.

### Features:

Product Name: Thyristor Surge Suppressors

Item: TSS DIODES

Tss Name: Thyristor Surge Suppressors (TSS)

Component: Electrical Surge Protection Devices - Thyristor Surge Suppressors

Package Size: DO-214AA/SMB

Maximum Leakage Current: Less Than 5µA

### Technical Parameters:

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

### Applications:

The SOCA Y P0640SA Thyristor Surge Suppressors are a critical component for a variety of applications where electrical surge protection is of utmost importance. Originating from Shenzhen, Guangdong, China, these TSS Diodes come with the assurance of quality and reliability, backed by certifications such as REACH, RoHS, and ISO. The SOCA Y brand is synonymous with robust electrical surge protection devices, designed to safeguard sensitive electronics from the potentially devastating effects of power surges.

These Thyristor Surge Suppressors are specifically crafted for scenarios where there is a minimum order quantity of 2500PCS/REEL, ensuring that large-scale deployments are possible. The compact package size of DO-214AA/SMB makes these components suitable for a range of product designs, without compromising on the integrity of the electrical surge protection they provide. With a maximum leakage current of less than 5µA, the SOCA Y P0640SA TSS Diodes ensure minimal power loss, making them an efficient choice for energy-conscious applications.

One of the primary occasions for the application of the SOCA Y P0640SA Thyristor Surge Suppressors is within Ethernet Surge Protection Devices. In today's interconnected world, Ethernet networks are the backbone of communication and data transfer. Protecting these networks from surges is crucial to maintain continuous operations and prevent data loss or corruption. The SOCA Y TSS Diodes act as a

protective barrier, absorbing and diverting excess voltage away from sensitive network components.

Additionally, the SOCAT P0640SA is ideal for use in general Electrical Surge Protection Devices. This includes residential, commercial, and industrial settings where electronic equipment is at risk from surges caused by lightning, power outages, or switching transients.

High-value electronics, such as computers, audio/visual systems, and manufacturing equipment, benefit from the inclusion of these thyristors in their protection circuits, ensuring longevity and reliability.

Moreover, the SOCAT P0640SA Thyristor Surge Suppressors are suitable for a myriad of other applications where electrical surge protection is required. For example, they can be integrated into power supply units, telecommunication systems, and control panels. Their robust design and precise triggering thresholds make them an indispensable component for engineers and designers seeking to mitigate the risks associated with electrical surges in a wide range of electronic devices.

In summary, the SOCAT P0640SA is a versatile and essential component for protecting electronics against voltage transients across various applications and industries. Its high-quality construction and performance specifications make it a go-to choice for those in need of reliable Ethernet Surge Protection Devices and Electrical Surge Protection Devices in any environment or scenario where electronic devices are used.

### Customization:

**Brand Name:** SOCAT

**Model Number:** P0640SA

**Place of Origin:** Shenzhen, Guangdong, China

**Certification:** REACH, RoHS, ISO

**Minimum Order Quantity:** 2500PCS/REEL

**Component:** Thyristor Surge Suppressors

**Package Size:** DO-214AA/SMB

**Maximum Leakage Current:** Less Than 5 $\mu$ A

**Description:** SOCAT's High-Quality Electrical Surge Protection Devices featuring the model P0640SA are Thyristor Surge Suppressors designed for efficient Ethernet Surge Protection. These TSS DIODES, originating from Shenzhen, Guangdong, China, ensure compliance with REACH, RoHS, and ISO certifications. With a compact DO-214AA/SMB package size and a guarantee of a maximum leakage current of less than 5 $\mu$ A, these devices are available with a minimum order quantity of 2500PCS/REEL, catering to your specific protection requirements.

### FAQ:

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

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

**Q2: Can you provide the model number for the Thyristor Surge Suppressors?**

**A2:** Yes, the model number for the Thyristor Surge Suppressors is P0640SA.

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

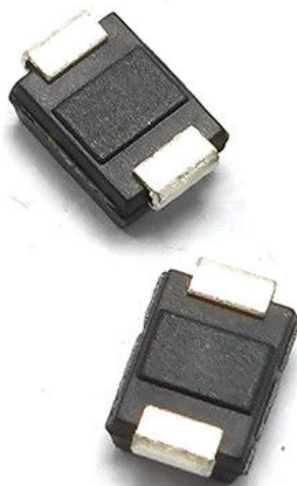
**A3:** The SOCAT Thyristor Surge Suppressors are manufactured in Shenzhen, Guangdong, China.

**Q4: Do the SOCAT Thyristor Surge Suppressors come with any certifications?**

**A4:** Yes, they come with REACH, RoHS, and ISO certifications.

**Q5: What is the minimum order quantity for the SOCAT P0640SA Thyristor Surge Suppressors?**

**A5:** The minimum order quantity for the SOCAT P0640SA Thyristor Surge Suppressors is 2500PCS/REEL.





+8618126201429



sylvia@socay.com



socaydiode.com

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