

## SOT23-6L Package SE05T6D14GA ESD Array 5.0V Vrwm Max. Transient Voltage Suppressors Array For ESD Protection

Our Product Introduction

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### Basic Information

- Place of Origin: Shenzhen Guangdong China
- Brand Name: SOCAY
- Certification: REACH RoHS ISO
- Model Number: SE05T6D14GA
- Minimum Order Quantity: 3000PCS
- Price: Negotiable
- Delivery Time: 5-8 work days

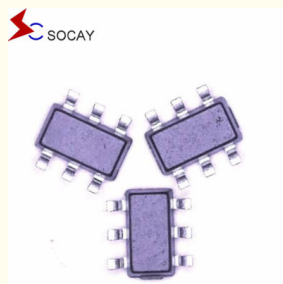


### Product Specification

- Extremely-Low Clamping Voltage: Yes
- Product Name: SE05T6D14GA ESD Array Low Capacitance ESD Protection Operating Voltage 3.3V
- Quantity Per Reel: 3,000pcs
- Package: SOT23-6L Package
- Vrwm (Max.): 5.0V
- Vc (Typ.) (Ipp=1A): 9.0V
- Operating Voltage: 5.0V
- Cj (Typ.): 0.5pF
- Highlight: SE05T6D14GA ESD Array, Transient Voltage Suppressors Array, SOT23-6L ESD Array



### More Images



## Product Description

### Product Description:

With an operating voltage of 5.0V, this ESD array is ideal for a wide range of applications, including consumer electronics, mobile devices, medical equipment, and more. Its extremely-low clamping voltage ensures that your electronics remain protected, while its nA level leakage current ensures that your devices remain efficient and reliable.

The SE05T6D14GA ESD Array is designed to provide exceptional protection against ESD events, with a  $V_c$  (Typ.) ( $I_{pp}=4A$ ) of 11.0V. This low capacitance ESD suppressor is easy to install and is an essential component in any electronic device that requires protection from electrostatic discharge.

Whether you're designing a new product or looking to upgrade an existing one, the SE03N6L01GZ ESD Array is the perfect solution. This ESD suppressor is an essential component for any electronic device that requires protection from ESD events. So why wait? Order your SE05T6D14GA ESD Array today and ensure the reliable performance of your electronics.

### Features:

Provides ESD protection

Package: SOT23-6L Package

Acts as an ESD suppressor

Product Name: ESD Array

Product Category: ESD Array

Operating Voltage: 5.0V

Contains ESD protection diodes

Low leakage current

Transient protection for high-speed data lines

IEC 61000-4-2 (ESD)  $\pm 25kV$  (Air)  $\pm 17kV$  (Contact) IEC 61000-4-4 (EFT) 40A (5/50 ns) Cable Discharge Event (CDE)

Small package (2.9mm x 2.8mm x 1.4mm)

Protects four data lines

Low capacitance: 0.5pF Typical (I/O-GND)

Low leakage current: 0.1 $\mu A$  @ VRWM (Typical)

Low clamping voltage

Each I/O pin can withstand over 1000 ESD strikes for  $\pm 8kV$  contact discharge

Green Part

RoHS Compliant

### Technical Parameters:

Product Category	ESD Array
Applications	Cellular Handsets & Accessories, Digital Visual Interface (DVI), RF Circuits, Display Port, USB Ports, MDDI Ports, PCI Express
Extremely-Low Clamping Voltage	Yes
Reel Size	7 inch
$I_r$ (Max.)	0.1 $\mu A$
$I_t$	1mA
$V_c$ (Typ.) ( $I_{pp}=1A$ )	9.0V
$V_{rwm}$ (Max.)	5.0V
$V_{br}$ (Min.)	5.0V
Lead Finish	Lead Free

This table shows technical parameters for the ESD Suppressor, which is a type of Electrostatic Discharge protection Devices.

### Applications:

SE05T6D14GA ESD Array is ideal for use in consumer electronics, such as smartphones, tablets, and laptops. These devices are particularly prone to ESD damage due to their frequent handling and exposure to different environments. SE05T6D14GA can protect sensitive components such as microprocessors, memory chips, and sensors from ESD damage, ensuring the reliable and long-lasting performance of these devices.

In addition to consumer electronics, SE05T6D14GA ESD Array is also suitable for use in industrial applications, such as automation equipment, control systems, and power supplies. These applications often involve high voltage and high current, making them more susceptible to ESD damage. By using the SE05T6D14GA, these systems can be protected from ESD damage, enhancing their reliability and durability.

SE05T6D14GA ESD Array is also commonly used in automotive applications, such as infotainment systems, electronic control units, and sensors. These applications face challenges such as temperature variations, moisture, and vibration, which can cause ESD damage. The SE05T6D14GA can provide robust ESD protection under these conditions, ensuring the smooth operation of the automotive systems. The SE05T6D14GA ESD Array is available in a small, lightweight package, SOT23-6L. The minimum order quantity is 10,000 pieces, and the price is negotiable. The delivery time is 5-8 work days, making it a highly reliable and efficient ESD Protection Diode. The SE05T6D14GA has a maximum leakage current of  $0.1\mu A$  @  $V_{RWM}$  (Typical), a minimum breakdown voltage of 5.0V, and a typical capacitance of 0.5pF.

## Support and Services:

Our team of experienced technical support specialists is available to assist you with any questions or issues related to the ESD Array product. We offer a range of services to ensure that your products are functioning at their best, including:

Product installation and setup assistance

Troubleshooting and issue resolution

Product repair and replacement services

Regular maintenance and updates

Technical consultations and advice

Our goal is to provide you with the highest level of support and service, so please don't hesitate to reach out to us if you need assistance. We're here to help!

## Packing and Shipping:

Product Packaging:

The ESD Array product will be packaged in a sturdy cardboard box to ensure safe transport. The product will be wrapped in protective foam to prevent any damage during shipping. The package will also include a user manual and a warranty card.

Shipping:

We offer free shipping within the United States and Canada. The product will be shipped via a reliable courier service and should arrive within 5-7 business days. International shipping is available for an additional fee and will take longer to arrive depending on the destination.

## FAQ:

**Q: What is the brand name of the ESD Array product?**

A: The brand name of the ESD Array product is SOCAP.

**Q: What is the model number of the ESD Array product?**

A: The model number of the ESD Array product is SE05T6D14GA.

**Q: What certifications does the ESD Array product have?**

A: The ESD Array product is certified with REACH, RoHS, and ISO certifications.

**Q: Where is the ESD Array product manufactured?**

A: The ESD Array product is manufactured in Shenzhen, Guangdong, China.

**Q: What is the minimum order quantity for the ESD Array product?**

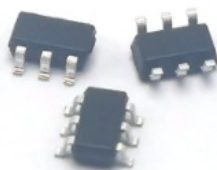
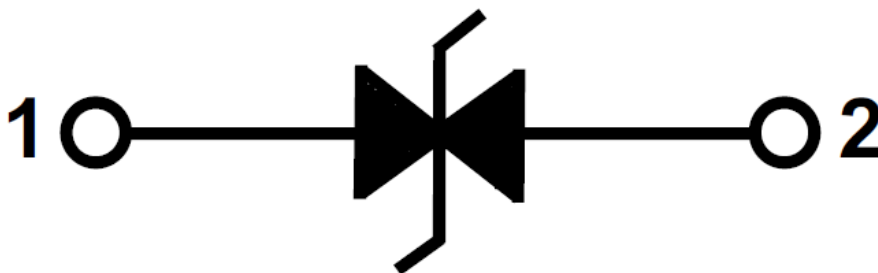
A: The minimum order quantity for the ESD Array product is 3000PCS.

**Q: Is the price of the ESD Array product negotiable?**

A: Yes, the price of the ESD Array product is negotiable depending on the order quantity.

**Q: What is the delivery time for the ESD Array product?**

A: The delivery time for the ESD Array product is 5-8 work days.





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