



SOT-363 Package Stable ESD Protection With Vrwm Max. 5.0V ESD Suppressor And Low Clamping Voltage

Our Product Introduction

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Basic Information

- Place of Origin: Shenzhen Guangdong China
- Brand Name: SOCAY
- Certification: REACH RoHS ISO
- Model Number: SE05T4D14GD
- Minimum Order Quantity: 3,000PCS
- Price: Negotiable
- Delivery Time: 5-8 work days



Product Specification

- Operating Voltage: 5.0V
- Product Category: ESD Array
- RoHS Compliant: Yes
- Reel Size: 7 Inch
- Applications: Cellular Handsets & Accessories, Digital Visual Interface (DVI), RF Circuits, Display Port, USB Ports, MDDI Ports, PCI Express
- Lead Finish: Lead Free
- Product Name: SE05T4D14GD ESD Array Low Capacitance ESD Protection Operating Voltage 3.3V
- Weight: 0.8 Milligrams (Approximate)
- Highlight: **SOT-363 Package ESD Suppressor, 5.0V ESD Suppressor, Low clamping voltage ESD Suppressor**

Product Description

Product Description:

In each reel, there are 3,000pcs of ESD Array, ensuring that you have plenty of units available to protect your devices from ESD damage. The typical V_c at $I_{pp}=3A$ is 11.0V, which means that it can handle a wide range of ESD voltage spikes. Our ESD Array is the perfect solution for any electronic device that requires protection from ESD damage. With its superior protective capabilities and high quantity per reel, you can have peace of mind knowing that your electronic devices are safe from ESD damage.

Features:

Product Name: ESD Array
Type: ESD Protection Diode/ESD Suppressor/ESD Array
 V_{br} (Min.): 6.0V
 C_j (Typ.): 0.3pF
 I_t : 1mA
Extremely-Low Clamping Voltage: Yes
Package: JEDEC SOT-363 Package

Technical Parameters:

Attribute	Value
Applications	Cellular Handsets & Accessories, Digital Visual Interface (DVI), RF Circuits, Display Port, USB Ports, MDDI Ports, PCI Express
V_{rwm} (Max.)	5.0V
V_c (Typ.) ($I_{pp}=3A$)	11.0V
Reel Size	7 inch
Weight	0.8 Milligrams (Approximate)
C_j ($V_R = 0V$, $f = 1MHz$, I/O pin to GND)	0.6pF
I_t	1mA
Quantity Per Reel	3,000pcs
RoHS compliant	Yes
Operating Voltage	5.0V

Applications:

With its extremely-low clamping voltage and V_{br} (Min.) of 6.0V, the SE05T4D14GD provides effective protection against ESD events. This ESD array has a V_{rwm} (Max.) of 5.0V and an I_t of 1mA, making it ideal for use in low-voltage applications.

Our SE05T4D14GD ESD array is REACH, RoHS, and ISO certified, ensuring that it meets the highest standards of quality and safety. Made in Shenzhen, Guangdong, China, this product is available for a minimum order quantity of 3,000 pieces at a negotiable price.

The SE05T4D14GD ESD array is suitable for a variety of product application occasions and scenarios. Whether you're designing a new electronic device or retrofitting an existing one, this ESD suppressor can provide reliable protection against electrostatic discharge.

Some common application scenarios for the SE05T4D14GD ESD array include:

Consumer electronics

Industrial control systems

Medical devices

Automotive electronics

Telecommunications equipment

The SE05T4D14GD ESD array can be used to protect a wide range of electronic components, including:

USB OTG

Video Graphics Cards

High-Definition Multimedia Interface (HDMI)

10/100/1000 Ethernet

IEEE 1394 Fire wire Ports

Order your SE05T4D14GD ESD array today and enjoy fast delivery times of just 5-8 work days. Protect your electronic components with the reliable and effective ESD protection of the SE05T4D14GD ESD array from SOCAY!

Support and Services:

Our ESD Array product comes with comprehensive technical support and services to ensure that our customers have a seamless experience with our product. Our team of experts are available to provide assistance with installation, configuration, and troubleshooting of the product. Additionally, we offer training sessions to help our customers maximize the potential of the product and ensure that they are using it to its fullest. Our goal is to provide top-notch support and services to our customers so that they can focus on their business without worrying about technical issues.

Packing and Shipping:

Product Packaging:

ESD Array product will be packed securely in a sturdy cardboard box.

The product will be wrapped in bubble wrap to prevent damage during shipping.

A packing slip will be included with the product.

Shipping:

Shipping will be handled by a trusted courier service.

The product will be shipped within 2 business days of the order being placed.

A tracking number will be provided to the customer once the product has been shipped.

FAQ:

Q: What is the brand name of this product?

A: The brand name of this product is SOCAY.

Q: What is the model number?

A: The model number is SE05T4D14GD.

Q: Is this product certified?

A: Yes, this product is certified with REACH, RoHS, and ISO certifications.

Q: Where is this product made?

A: This product is made in Shenzhen Guangdong China.

Q: What is the minimum order quantity for this product?

A: The minimum order quantity for this product is 3,000PCS.

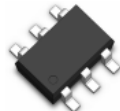
Q: Is the price negotiable for this product?

A: Yes, the price for this product is negotiable.

Q: What is the delivery time for this product?

A: The delivery time for this product is 5-8 work days.

SOT-363



Functional Diagram

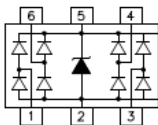


Fig1. 8/20μs Pulse Waveform

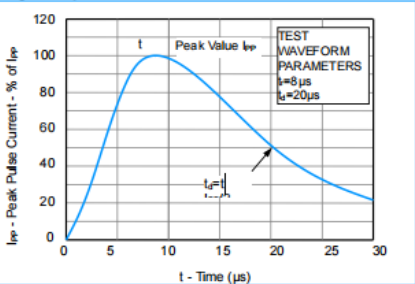


Fig2. ESD Pulse Waveform (according to IEC 61000-4-2)

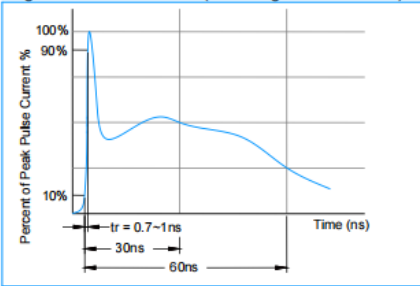
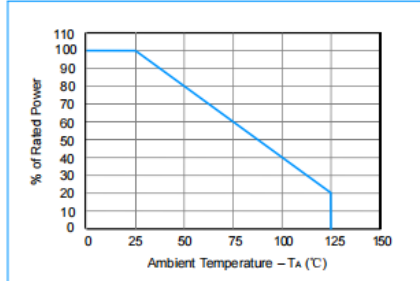


Fig3. Power Derating Curve



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