

SOCAY TVS SMAJ Series 400W Surface Mount Transient Suppression Diodes for Industrial Applications

Our Product Introduction

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Basic Information

- Place of Origin: Shenzhen, Guangdong, China
- Brand Name: SOCAY
- Certification: UL, REACH, RoHS, ISO
- Model Number: SMAJ28CA
- Minimum Order Quantity: 5000pcs
- Price: Negotiable
- Delivery Time: 5-8 work days



Product Specification

- SMAJ28CA Name: TVS Diodes
- SMAJ28CA Package Type: DO-214AC
- SMAJ28CA V_{rw}m: 28.0V
- SMAJ28CA V_{br}@I_t (Min.): 31.10V
- SMAJ28CA V_{br}@I_t (Max.): 34.40V
- SMAJ28CA I_t: 1mA
- SMAJ28CA V_c@I_{pp}: 45.4V
- SMAJ28CA I_{pp}: 8.81A
- SMAJ28CA I_r@V_{rw}m: 5μA
- SMAJ28CA Storage Temperature Range: -55 To +150

Product Description

SOCAY TVS SMAJ Series 400W Surface Mount Transient Suppression Diodes for Industrial Applications

DATASHEET: [SMAJ_v2207.1.pdf](#)

Product Description:

TVS Diodes Product Overview

TVS Diodes, also known as Transient Suppression Diodes or Transient Voltage Surge Suppressors (TVSS), are electronic components designed to protect sensitive circuits from transient voltage spikes and surges. These components are commonly used in a wide range of electronic devices and systems, including computers, telecommunication equipment, industrial control systems, and automotive electronics.

The TVS Diodes from Socay are highly reliable and efficient, providing excellent protection against various types of transient events such as Electrostatic Discharge (ESD), lightning, and surge. With a peak pulse current rating of 8.81A, these diodes can handle high levels of current without being damaged, making them suitable for use in demanding applications.

The reverse standoff voltage of these diodes is 28V, which means that they can safely operate within a voltage range of 28V to +28V. This makes them ideal for use in circuits that are sensitive to voltage fluctuations and need to be protected from potential damage. Additionally, these diodes have a bidirectional polarity, which means that they can handle surges from both positive and negative sources, providing comprehensive protection for your circuits.

As a leading manufacturer in the industry, Socay is committed to providing high-quality TVS Diodes that meet the highest standards of performance and reliability. These diodes are designed and manufactured using advanced technologies and materials, ensuring superior protection and long-term durability. As a result, they come with a 365-day warranty, giving you peace of mind and confidence in your purchase.

In conclusion, TVS Diodes from Socay are a must-have component for any electronic circuit or system that needs protection against transient events. With their high peak pulse current, reverse standoff voltage, bidirectional polarity, and reliable warranty, these diodes offer the perfect solution for keeping your circuits safe from the damaging effects of transient voltage spikes and surges. Choose Vishay TVS Diodes for the ultimate protection and peace of mind.

Features:

Product Name: TVS Diodes

Warranty: 365days

Package: DO-214AC

Reverse Standoff Voltage: 28V

Surge Suppressors

Surge Protection Diodes

Voltage Spike Suppressors

Technical Parameters:

Product Name	TVS Diodes
Product Type	Surge Suppressors - TVS Diodes
Polarity	Bidirectional
Mounting Style	Surface Mount
Manufacturer	Socay
Ipp	8.81A
Stock Status	In Stock
Reverse Leakage Current	5μA

Electrical Characteristics (T _A =25℃ unless otherwise noted)										
Part Number		Marking		Reverse Stand-Off Voltage V _{nom} (V)	Breakdown Voltage V _{BR} (V) @I _r		Test Current I _r (mA)	Maximum Clamping Voltage V _C @I _{CP} (V)	Maximum Peak Pulse Current I _{PP} (A)	Maximum Reverse Leakage I _R @V _{nom} (μA)
Uni	Bi	Uni	Bi		MIN	MAX				
SMAJ3.3A	—	A1	—	3.3	4.10	—	1	8.0	50.00	600
SMAJ5.0A	SMAJ5.0CA	AE	WE	5.0	6.40	7.00	10	9.2	43.48	800
SMAJ6.0A	SMAJ6.0CA	AG	WG	6.0	6.67	7.37	10	10.3	38.83	800
SMAJ6.5A	SMAJ6.5CA	AK	WK	6.5	7.22	7.98	10	11.2	35.71	500
SMAJ7.0A	SMAJ7.0CA	AM	WM	7.0	7.78	8.60	10	12.0	33.33	200
SMAJ7.5A	SMAJ7.5CA	AP	WP	7.5	8.33	9.21	1	12.9	31.01	100
SMAJ8.0A	SMAJ8.0CA	AR	WR	8.0	8.89	9.83	1	13.6	29.41	50
SMAJ8.5A	SMAJ8.5CA	AT	WT	8.5	9.44	10.40	1	14.4	27.78	10
SMAJ9.0A	SMAJ9.0CA	AV	WW	9.0	10.00	11.10	1	15.4	25.97	5
SMAJ10A	SMAJ10CA	AX	WX	10.0	11.10	12.30	1	17.0	23.53	5
SMAJ11A	SMAJ11CA	AZ	WZ	11.0	12.20	13.50	1	18.2	21.98	5
SMAJ12A	SMAJ12CA	BE	XE	12.0	13.30	14.70	1	19.9	20.10	5
SMAJ13A	SMAJ13CA	BG	XG	13.0	14.40	15.90	1	21.5	18.60	5
SMAJ14A	SMAJ14CA	BK	XK	14.0	15.60	17.20	1	23.2	17.24	5
SMAJ15A	SMAJ15CA	BM	XM	15.0	16.70	18.50	1	24.4	16.39	5
SMAJ16A	SMAJ16CA	BP	XP	16.0	17.80	19.70	1	26.0	15.38	5
SMAJ17A	SMAJ17CA	BR	XR	17.0	18.90	20.90	1	27.6	14.49	5
SMAJ18A	SMAJ18CA	BT	XT	18.0	20.00	22.10	1	29.2	13.70	5
SMAJ19A	SMAJ19CA	BB	XB	19.0	21.10	23.30	1	30.8	13.00	5
SMAJ20A	SMAJ20CA	BV	XV	20.0	22.20	24.50	1	32.4	12.35	5
SMAJ22A	SMAJ22CA	BX	XX	22.0	24.40	26.90	1	35.5	11.27	5
SMAJ24A	SMAJ24CA	BZ	XZ	24.0	26.70	29.50	1	38.9	10.28	5
SMAJ26A	SMAJ26CA	CE	YE	26.0	28.90	31.90	1	42.1	9.50	5
SMAJ28A	SMAJ28CA	CG	YG	28.0	31.10	34.40	1	45.4	8.81	5
SMAJ30A	SMAJ30CA	CK	YK	30.0	33.30	36.80	1	48.4	8.26	5
SMAJ33A	SMAJ33CA	CM	YM	33.0	36.70	40.60	1	53.3	7.50	5
SMAJ36A	SMAJ36CA	CP	YP	36.0	40.00	44.20	1	58.1	6.88	5
SMAJ40A	SMAJ40CA	CR	YR	40.0	44.40	49.10	1	64.5	6.20	5
SMAJ43A	SMAJ43CA	CT	YT	43.0	47.80	52.80	1	69.4	5.76	5

Applications:

TVS Diodes for Overvoltage Protection in Electronic Devices

Brand Name: SOCAT
Model Number: SMAJ28CA
Place of Origin: Shenzhen China
Certification: UL, REACH, RoHS, ISO
Minimum Order Quantity: 5000pcs
Price: Negotiable
Delivery Time: 5-8 work days
Mounting Style: Surface Mount
Operating Temperature: -55 To 150°C
Lead Times: Immediately Shipment
Reverse Leakage Current: 5μA

Transient Voltage Suppressor Diodes, also known as Transient Voltage Surge Suppressors or TVS Diodes, are electronic devices used for overvoltage protection in various electronic devices. These diodes are designed to protect sensitive electronic components from voltage spikes and surges, which can cause damage or malfunction.

TVS Diodes are commonly used in a variety of applications, including power supplies, communication systems, automotive electronics, industrial equipment, and more. They are essential for protecting these devices from transient voltage events, such as lightning strikes, electrostatic discharges, and power surges.

The SOCAT SMAJ13A TVS Diode, manufactured in China, is a reliable and high-quality option for overvoltage protection. It meets UL, REACH, RoHS, and ISO certifications, ensuring its safety and compliance with international standards. The minimum order quantity for this product is 5000pcs, with a negotiable price and a fast delivery time of 5-8 work days.

This TVS Diode has a surface mount mounting style, making it easy to install on circuit boards and other electronic devices. It can operate in a wide temperature range, from -55 to 150°C, and has a low reverse leakage current of 5μA. Its operating voltage is 28V, making it suitable for a variety of electronic devices that require overvoltage protection.

In today's world, where electronic devices are an integral part of our daily lives, the need for overvoltage protection is crucial. TVS Diodes, such as the SOCAT SMAJ28CA, provide an effective and reliable solution to protect sensitive electronic components from voltage spikes and surges. With its excellent performance and certifications, it is a must-have component for any electronic device that requires protection against transient voltage events.

Choose SOCAT TVS Diodes for superior overvoltage protection in your electronic devices. Contact us now to place your order and ensure the safety and longevity of your electronic devices.

Packing and Shipping:

Packaging and Shipping for TVS Diodes

TVS Diodes are carefully packaged to ensure safe transportation and delivery to our customers. The packaging process follows strict quality control procedures to guarantee the protection of the product during shipping.

Packaging

TVS Diodes are typically packaged in anti-static bags to prevent any damage from static electricity. The bags are then placed in

sturdy and durable cartons, along with packaging materials such as bubble wrap or foam for added protection. For larger orders, the TVS Diodes may be packaged in reels or tubes for ease of handling and transportation.

Shipping

We offer various shipping options to accommodate our customers' needs. Our standard shipping method is through reputable carriers such as DHL, FedEx, or UPS. Customers may also arrange for their own shipping method if preferred. All orders are carefully packed and labeled with the necessary shipping information, including the customer's address, product details, and tracking number.

For international shipments, we strictly adhere to customs regulations and provide all necessary documentation to ensure a smooth and timely delivery.

In case of any damages or issues during shipping, please contact our customer service team for assistance.

FAQ:

Q: What is the brand name of this product?

A: The brand name is SOCAY.

Q: What is the model number of this product?

A: The model number is SMAJ28CA.

Q: Where is this product produced?

A: This product is produced in Shenzhen China.

Q: What certifications does this product have?

A: This product is UL, REACH, RoHS, and ISO certified.

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

A: The minimum order quantity is 5000pcs.

Q: Is the price negotiable for this product?

A: Yes, the price is negotiable.

Q: How long is the delivery time for this product?

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



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