



## 33V Surface Mount Circuit Protection Components TVS SM8S33CAG Automotive Parts

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: UL, REACH, RoHS, ISO
- Model Number: SM8S33CAG
- Minimum Order Quantity: 500PCS
- Price: Negotiable
- Delivery Time: 1-3weeks



### Product Specification

- Description: Automotive Parts
- Package Type: DO-218AB
- Vr: 33V
- Ir@Vr @25 : 5μA
- Ir@Vr @175 : 150μA
- Vbr@It (Min.): 36.7V
- Vbr@It (Max.): 40.6V
- It: 5mA
- Vc@Ipp: 53.3V
- Ipp: 124A
- Highlight: 33V Circuit Protection Components,  
Surface Mount Circuit Protection Components



### More Images



## Product Description

**33V Surface Mount Transient Voltage Suppressors SM8S33CAG, Suitable for High Reliability and Automotive Requirement**

**DATASHEET:** [SM8SXXG Series\\_v2309.1.pdf](#)

### Description:

TVS tubes are widely used for the protection of semiconductors and sensitive devices, usually for diode protection. They are characterised by their fast response time (PS level), small size, high transient pulse suppression power and low clamping voltage.

### Material

Semiconductor materials,

Part Number		Working Peak Reverse Voltage $V_{RWM}$ (V)	Breakdown Voltage $V_{BR}$ (V)		Test Current $I_T$ (mA)	Maximum Reverse Leakage $I_R$ @ $V_{RWM}$ ( $\mu A$ )	Maximum $I_R$ @ $V_{RWM}$ $T_J=175$ ( $\mu A$ )	Maximum Reverse Surge Current $I_{PP}$ (A)	Maximum Clamping Voltage $V_C$ @ $I_{PP}$ (V)
Uni	Bi		Min.	Max.					
SM8S33AG	SM8S33CAG	33.0	36.7	40.6	5.0	10	150	124	53.3

### Notes:

1. Surge current waveform is defined at 10/1000 $\mu$ S waveform.
2. For all types maximum  $V_F = 1.8$  V at  $I_F = 100$  A measured on 8.3 ms single half sine-wave or equivalent square wave, duty cycle = 4 pulses per minute maximum.



DO-218AB

### Application:

Automotive Protection. Car system

### FAQ

Q1. Can I have a sample order ?

A: Yes, we welcome sample order to test and check quality. Mixed samples are acceptable.

Q2. What about the lead time?

A: Sample needs 1 days, mass production time needs 1-2 weeks for order quantity more than

Q3. Do you have any MOQ ?

A: MOQ depend on the type of product, 1pc for sample checking is available

Q4. How do you ship the goods and how long does it take to arrive?

A: We usually ship by DHL, UPS, FedEx or TNT. It usually takes 3-5 days to arrive. Airline and sea shipping also optional.



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