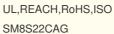


# **Automotive Protection TVS Circuit Protection Components Diodes** SM8S22CAG

## **Basic Information**

- Place of Origin:
- Brand Name:
  - SOCAY
- Certification:
- Model Number:
- Minimum Order Quantity: **500PCS**
- Price:
- Delivery Time:



Shenzhen, Guangdong, China

Negotiable 5-8 work days



## **Product Specification**

•	Highlight:	TVS Circuit Protection Components, Automotive Circuit Protection Components, TVS Circuit Protection Diode
٠	lpp:	186A
•	Vc@lpp:	35.5V
٠	It:	5mA
٠	Vbr@It (Max.):	26.9V
•	Vbr@It (Min.):	24.4V
•	lr@Vr @175 :	150µA
•	lr@Vr @25 :	5μΑ
•	Vr:	22V
•	Package Type:	DO-218AB

Our Product Introduction

## **Product Description**

#### SOCAY TVS Diodes SM8S22CAG, Excellent Clamping Capability

## DATASHEET: SM8SXXG Series\_v2309.1.pdf

### **Description:**

The SM8S series is designed specifically to protect sensitive electronic equipment from voltage transients induced by lightning and other transient voltage events.

Part Number		Workin g Peak Revers e Voltage V <sub>RWM</sub> (V)	k s Breakdown Voltage e V <sub>BR</sub> (V)			Maximu m Reverse Leakage I <sub>R</sub> @ V <sub>RWM</sub> (μΑ)	m m		Clampin g Voltage
	Bi		Min.	Max.	1				
SM8S22 AG	SM8S22C AG	22.0	24.4	26.9	5.0	10	150	186	35.5

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 inute maximum.

#### Features:

Optimized glass passivated chip.

 $T_{J}$ =175 capability suitable for high reliability and automotive requirement.

6600W peak pulse power capability with a 10/1000µs waveform, repetitive rate (duty cycle): 0.01 %. Meet ISO7637-2 5a/5b and ISO 16750 load dump test (varied by test condition). Meet AEC-Q101 qualified. Low leakage current. Low forward voltage drop. Excellent clamping capability.

#### Application:

Automotive Protection.







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