TVS Diodes Circuit Protection Components SM8S33AG For Automotive **Protection**

Basic Information

. Place of Origin: Shenzhen, Guangdong, China

. Brand Name: SOCAY

UL,REACH,RoHS,ISO · Certification:

SM8S33AG Model Number: Minimum Order Quantity: 500PCS • Price: Negotiable . Delivery Time: 5-8 work days



Product Specification

Package Type: DO-218AB

Vr: 33V

Ir@Vr @25 : 5μΑ • Ir@Vr @175: 150µA

36.7V Vbr@lt (Min.): 40.6V

Vbr@It (Max.):

It: 5mA 53.3V Vc@lpp:

124A • lpp:

• Highlight: TVS Diodes Circuit Protection Components,

Automotive Protection Circuit Protection

Components

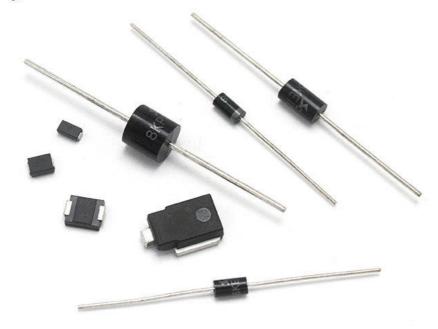


Product Description

SOCAY SM8S Series TVS Diodes SM8S33AG, Best Sellers for Automotive Protection

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 _{RWM} (V)	Voltage			Maximu m Reverse Leakage I _R @ V _{RWM} (μA)	V _{RWM} Τ _{.I=} 175	Maximu	Voltage
Uni	Bi		Min.	Max.					
SM8S33 AG	SM8S33C AG	33.0	36.7	40.6	5.0	10	150	124	53.3

lotes:

. Surge current waveform is defined at 10/1000µS waveform.

2. For all types maximum $V_F = 1.8 \, \text{V}$ at $I_F = 100 \, \text{A}$ measured on 8.3 ms single half sine-wave or equivalent square wave, duty cycle = 4 pulses peninute maximum.

Features:

Optimized glass passivated chip.

T_J=175 capability suitable for high reliability and automotive requirement.

6600W peak pulse power capability with a $10/1000\mu s$ 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.

Very fast response time.

RoHS compliant.

Application:

Automotive Protection.



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