6600W Passive Auto Electric Components SM8S30CAG TVS Bidirectional

Basic Information

• Place of Origin: Shenzhen, Guangdong, China

1-2weeks

• Brand Name: SOCAY

Certification: UL,REACH,RoHS,ISO

Model Number: SM8S30CAG
 Minimum Order Quantity: 500PCS
 Price: Negotiable
 Packaging Details: bulk



Product Specification

• Delivery Time:

• Key Words: Auto Grade Components

• Footprint: DO-218AB

Function: Protection Circuit BoardPattern: Passive Component

30V Vr: Ir@Vr @25 : 5μΑ • Ir@Vr @175: 250μΑ 33.3V Vbr@lt (Min.): Vbr@lt (Max.): 36.8V It: 5mA 48.4V Vc@lpp: • lpp: 136A

• Highlight: 6600W Auto Electric Components,

Passive Auto Electric Components, 6600W TVS Diode Bidirectional

Product Description

6600W TVS Bi-Directional TVS SM8S30CAG Transient Voltage Suppressors

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

Working Standard

. Connected in parallel to the circuit, when the device is inactive, the resistance value is high and can be considered as an open circuit with little or no effect on the circuit. When there is an abnormal pulse, the resistance value drops instantly and the current is released momentarily. When the abnormal high voltage disappears, it returns to its high resistance state and the circuit works normally.

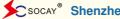
Part Number		Workin g Peak Revers e Voltage V _{RWM} (V)	Breakdown Voltage		Test Curren t I _T (mA)	Maximu m Reverse Leakage I _R @ V _{RWM} (μA)	m I _R @	Maximu m Reverse Surge Current I _{PP} (A)	Clampin g Voltage
Uni	Bi		Min.	Max.					
SM8S30 AG	AG	30.0	33.3	36.8	5.0	10	150	136	48.4
SM8S33 AG	SM8S33C AG	33.0	36.7	40.6	5.0	10	150	124	53.3
SM8S36 AG	AG	36.0	40.0	44.2	5.0	10	150	114	58.1
SM8S40 AG	SM8S40C AG	40.0	44.4	49.1	5.0	10	150	102	64.5
SM8S43 AG	SM8S43C AG	43.0	47.8	52.8	5.0	10	150	95.1	69.4
SM8S45 AG	SM8S45C AG	45.0	50.0	55.3	5.0	10	150	90.8	72.7
SM8S48 AG	IAGi	48.0	53.3	58.9	5.0	10	150	85.3	77.4
SM8S51 AG	SM8S51C AG	51.0	56.7	62.7	5.0	10	150	80.1	82.4

IAG	SM8S54C AG		60.0	66.3	5.0	10	150	75.8	87.1
SM8S58 AG	SM8S58C AG	58.0	64.4	71.2	5.0	10	150	70.5	93.6
SM8S60 AG	IAG	60.0	66.7	73.7	5.0	10	150	68.2	96.8
SM8S64 AG	SM8S64C AG	64.0	71.1	78.6	5.0	10	150	64.1	103.0
SM8S70 AG	SM8S70C AG	70.0	77.8	86.0	5.0	10	150	58.4	113.0
SM8S75 AG	SM8S75C AG	75.0	83.3	92.1	5.0	10	150	54.5	121.0
SM8S78 AG	SM8S78C AG	78.0	86.7	95.8	5.0	10	150	52.4	126.0
SM8S85 AG	SM8S85C AG	85.0	94.4	104.0	5.0	10	150	48.2	137.0

1. Surge current waveform is defined at 10/1000µS 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 pe minute maximum.

SOCAY SM8S Transient suppression diode application: Traffic recorder ADAS Advanced Driver Assistance System OBD vehicle diagnostic system DMS Driver condition monitoring Department Car LED Cigarette lighter Car audio



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