



18V Uni Directional Transient Voltage Suppression Diode SM8S18AG DO-218AB Package

Our Product Introduction

Basic Information

- Place of Origin: Shenzhen, Guangdong, China
- Brand Name: SOCAY
- Certification: UL, REACH, RoHS, ISO
- Model Number: SM8S18AG
- Minimum Order Quantity: 500PCS
- Price: Negotiable
- Delivery Time: 5-8 work days



Product Specification

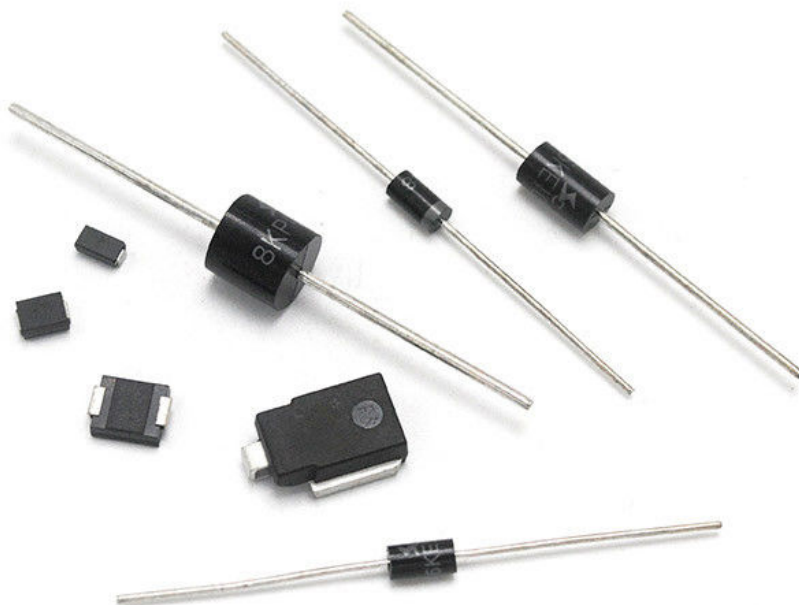
- Package Type: DO-218AB
- Vr: 18V
- Ir@Vr @25 : 5μA
- Ir@Vr @175 : 150μA
- Vbr@It (Min.): 20.0V
- Vbr@It (Max.): 22.1V
- It: 5mA
- Vc@Ipp: 29.2V
- Ipp: 226A
- Highlight: **18V Transient Voltage Suppression Diode ,
Uni Directional Transient Voltage Suppression
Diode**

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Product Description

18V Uni-Directional Transient Voltage Suppressors SM8S18AG, 32.4V Clamping Voltage

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.

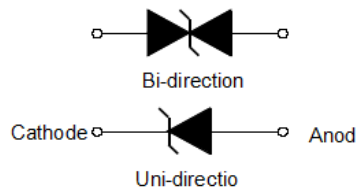
Part Number		Working Peak Reverse Voltage V_{RWM} (V)	Breakdown Voltage V_{BR} (V)		Test Current I_T (mA)	Maximum Reverse Leakage I_R @ V_{RWM} (μA)	Maximum I_R @ V_{RWM} $T_J=175$ (μA)	Maximum Reverse Surge Current I_{PP} (A)	Maximum Clamping Voltage V_C @ I_{PP} (V)
Uni	Bi		Min.	Max.					
SM8S10AG	SM8S10CAG	10.0	11.1	12.3	5.0	15	250	388	17.0
SM8S11AG	SM8S11CAG	11.0	12.2	13.5	5.0	10	150	363	18.2
SM8S12AG	SM8S12CAG	12.0	13.3	14.7	5.0	10	150	332	19.9
SM8S13AG	SM8S13CAG	13.0	14.4	15.9	5.0	10	150	307	21.5
SM8S14AG	SM8S14CAG	14.0	15.6	17.2	5.0	10	150	284	23.2
SM8S15AG	SM8S15CAG	15.0	16.7	18.5	5.0	10	150	270	24.4
SM8S16AG	SM8S16CAG	16.0	17.8	19.7	5.0	10	150	254	26.0
SM8S17AG	SM8S17CAG	17.0	18.9	20.9	5.0	10	150	239	27.6
SM8S18AG	SM8S18CAG	18.0	20.0	22.1	5.0	10	150	226	29.2

Notes:

- Surge current waveform is defined at 10/1000 μ S waveform.
- 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.

Application:

Automotive Protection.



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