

4600W AUTO-GRADE TVS



Features

- **AEC-Q101 Qualified**
- **High Peak Power Dissipation:**
 - 4600W (10/1000 μ s waveform)
 - 3600W (10/10000 μ s waveform)
- **IEC 61000-4-2 (ESD) Test:**
 - \pm 30kV (Air)
 - \pm 30kV (Contact) protection
- **Operating Junction Temperature:** Up to 175 °C, ensuring functionality in high-temperature environments.
- **Excellent Clamping Capability:** Effectively limits voltage spikes to protect sensitive circuits.



Benefits

Exceptional Overvoltage Protection: Provides reliable safeguarding for sensitive components against voltage transients, enhancing device longevity and performance.

Superior ESD Protection: With an impressive \pm 30kV rating, it effectively mitigates the risks associated with electrostatic discharge, ensuring stable operation in various environments.

Applications

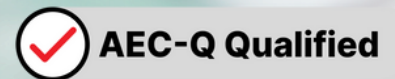


Automotive



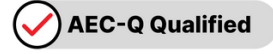
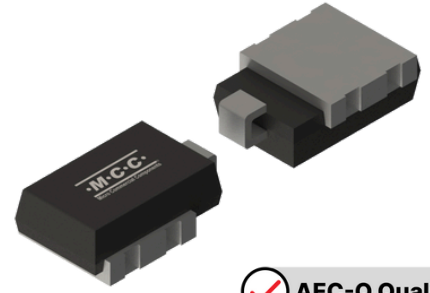
Industrial

Unlock Next-Level Protection: MCC's 4600W Auto-Grade TVS in DO-218AB



Engineered for Auto Load Dump Suppression & High Temps

Unmatched ESD Protection: ±30kV Defense Against Electrostatic Discharge!



Product Attributes, Parametrics & Datasheets

Product	Type	Package	Peak Pulse Power-Dissipation PPM(10/1000us waveform)	Working Peak Reverse Voltage VRWMRDS(on)	Mounting Type	Datasheet
SM6S24AHE3	TVS Diode	DO-218AB	4600W	24V	Surface-Mount (SMD)	Info

Applications:



Automotive



Industrial

- **Load Dump Suppression:** Protects electronic systems from voltage spikes caused by sudden changes in electrical load.
- **Transient Voltage Suppression:** Safeguards sensitive components from harmful transients during power fluctuations

- **Equipment Protection:** Shields industrial machinery and control systems from voltage surges and ESD events.
- **Power Supply Protection:** Provides transient protection for power distribution systems in industrial settings

CONTACT MCC TO REQUEST A SAMPLE

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