

AEM Components Inc. Product Families

SolidMatrix Surface Mount Fuses:



- Monolithic glass ceramic body with silver fusing element
- Silver termination with nickel and pure-tin solder plating (lead-free), providing excellent solderability
- Compatible with both wave and reflow soldering processes
- Operating temperature range: -55°C - 125°C

AirMatrix Surface Mount Fuses:



- Extremely small size with 250 VAC rating
- Surface mount fuses in AC applications
- Excellent inrush current withstanding capability
- Fiberglass enforced epoxy fuse body
- Copper termination with nickel and tin plating
- 100% lead-free

Download AEM's Product Catalog [here](#).

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Protec GmbH is proud to announce cooperation with AEM Components Inc.

AEM's products are used globally for circuit protection and EMI signal filtering by many fortune 500 companies and other renowned customers in the telecommunication, computer, consumer electronics, and automotive industries. AEM's patented breakthrough technologies and lean manufacturing facilities ensure superior quality at the best value. See below products and services:

Commercial Circuit Protective Components

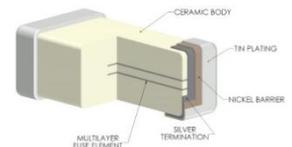
SolidMatrix® Multilayer Monolithic Chip Fuses
AirMatrix® Surface Mount Fuses
GcDiode® ESD Suppressors
Multilayer Varistors

Inductive Components

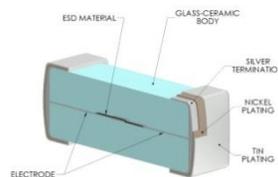
Multilayer Ferrite Chip Beads/Power Beads
Multilayer Ferrite/Ceramic Inductors
Thin Film Inductors
Wire Wound Inductors

AEM SolidMatrix Chip Fuses

AEM offers the broadest line of surface mount chip fuses in the industry. AEM SolidMatrix® Surface Mount Chip Fuses are recognized by Underwriters Laboratories (UL).



AEM GcDiode ESD Suppressors



With an ultra-low capacitance of 0.25pF, AEM's GcDiode® ESD suppressors are ideally suited for ESD protection of high speed data lines operating at data rates of 1 GHz or higher. Constructed with a glass ceramic monolithic structure and incorporating advanced Ag/Pd composite ESD materials, the new ESD suppressors feature a low clamping voltage and instant response time, offering the highest level of ESD protection for sensitive circuits. Power losses are minimized as these components exhibit leakage current rates that are typically less than 0.1nA in normal operation.

AEM Multilayer Varistors

AEM's Surface Mount Multilayer Varistors (MLV) are manufactured with zinc oxide based semi-conductive ceramics using multilayer co-firing technology. These varistors are designed to protect electronics systems from surge and transient over-voltages by limiting surge voltage and absorbing energy.

AEM AirMatrix Surface Mount Fuses

With multiple internal safety approvals, high consistency and excellent inrush current withstanding capability, AEM's AirMatrix® wire-in-air surface mount fuses are ideal for applications with high voltage and high inrush current.

