

# GcDiode® ESD Suppressor

## APPLICATIONS

- Smartphone
- Tablet
- Laptop
- Bluetooth
- HDMI
- DisplayPort
- USB3.0

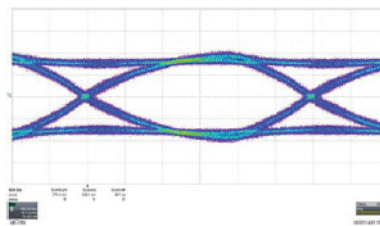


AEM's ultra-low capacitance GcDiode® ESD suppressor is an ideal solution for protecting mobile devices and high speed data ports from harmful voltage transients while maintaining signal integrity.

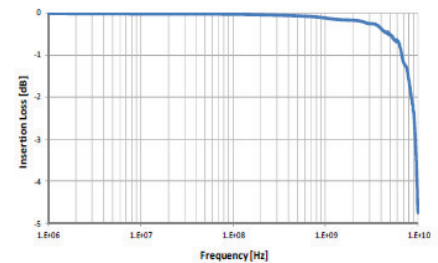
## KEY FEATURES

- EIA 0402 & 0603 footprint
- Bi-directional protection
- IEC 61000-4-2 Contact Discharge Level 4 8kV
- IEC 61000-4-2 Air Discharge Level 4 15kV
- Lead-free
- RoHS compliant

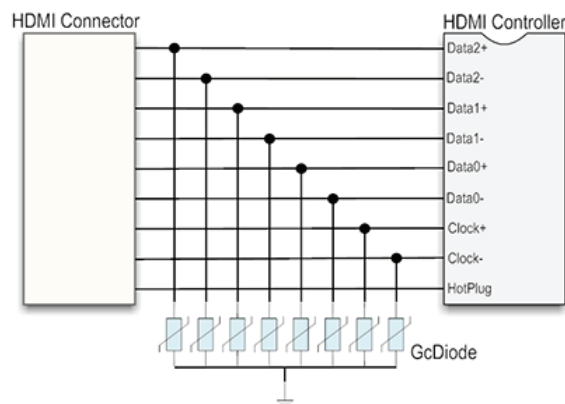
Eye Diagram at 10Gbit/sec



Insertion Loss at 10Gbit/sec



Application Diagram: HDMI



## SPECIFICATIONS

- Clamping voltage: 30V
- Capacitance: 0.25pF
- Response time: <1ns
- Leakage current: 1nA

With more than 20 years industry experience, AEM Components is a leading provider of circuit protection components. AEM's surface mount fuses, ESD suppressors, and multilayer varistors (MLV) are deployed globally for circuit and ESD protection. AEM maintains research and development centers, manufacturing facilities and sales offices in the USA and throughout Asia.



Scan here to learn more.