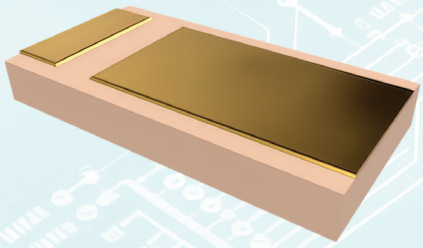
When Capacitors Stop Behaving Like Capacitors

Find the Right RF Capacitor Architecture for Your Application

XG1 Series

Precision Tuning & Coupling



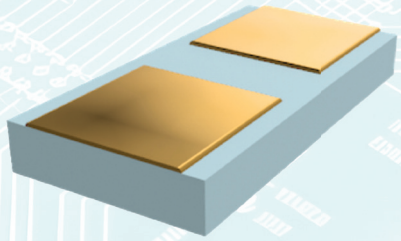
Best for: Precision RF tuning, coupling, and hybrid microelectronics

Key Features

- Single-layer RF gap capacitor
- Broad capacitance and dielectric options
- Pt or Au metallization options
- High-frequency tuning and coupling applications
- Available in compact case sizes

XG2 Series

Impedance Matching & RF Bypass



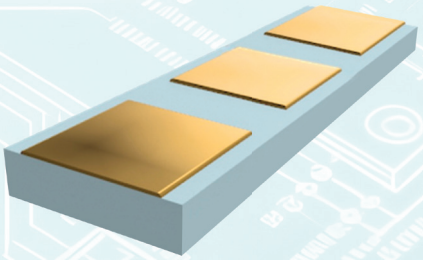
Best for: Impedance matching, High SRF applications, and DC blocking

Key Features

- Embedded-electrode architecture
- Industry-low ESL
- Eliminates wire bonds and vias
- Broadband performance beyond 67 GHz
- Optimized for RF coupling and impedance matching

XG3 Series

RF Filtering & Decoupling



Best for: RF filtering, decoupling, PDN stability, and EMI suppression

Key Features

- Extremely low ESL (<15 pH typical)
- Broadband performance from kHz to 10s of GHz
- Can replace multiple MLCCs
- Optimized for RF filtering and EMI suppression
- Stable high-frequency performance

Ultra-Low ESL for superior RF performance

Broadband Performance beyond 67 GHz

High Reliability for demanding environments

Learn more

Eulex pioneered an embedded-electrode RF capacitor architecture that delivers an order-of-magnitude increase in capacitance density with ultra-low parasitics. The result is broadband, ultra-low-loss, high-power performance across decades of frequency—ideal for DC blocking, decoupling, and impedance matching. The technology is compatible with standard surface-mount assembly processes, improving reliability, simplifying manufacturing, and reducing (or eliminating) tuning.

Evans GROUP
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