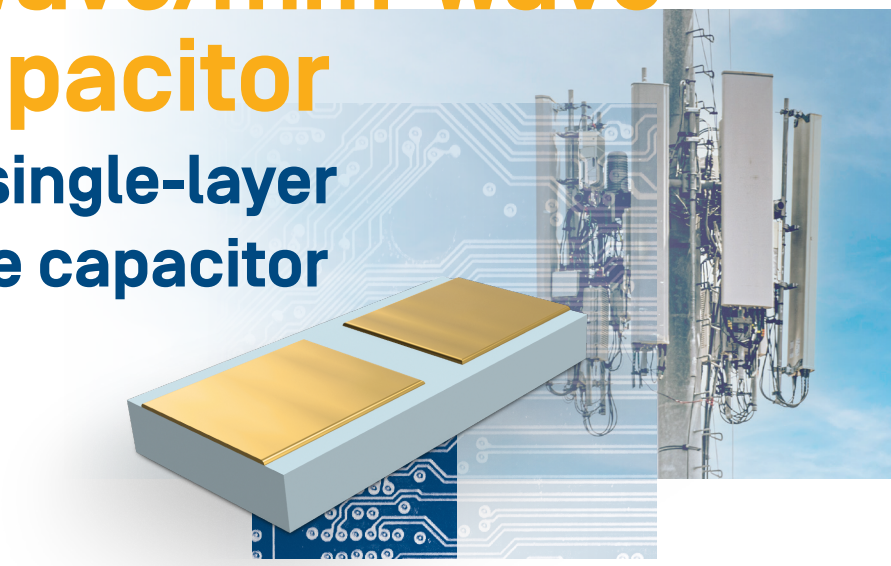
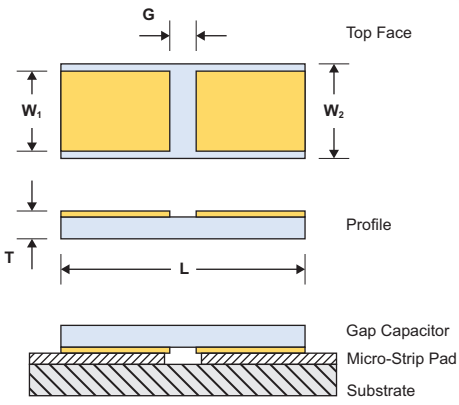
NEW

Microwave/mm-wave Gap Capacitor

replaces the single-layer wire-bondable capacitor





The surface-mount design eliminates the inductance and reliability issues associated with wire-bonding, while maintaining the frequency performance and low ESR of the true single-layer capacitor. And the move away from wire-bond simplifies manufacturing.

RoHS

Advantages

- True single layer capacitor behavior
- Gain up to 20X the capacitance of our competition for the same dielectric, case size, and voltage
- Further capacitance gains can be achieved for lower voltages
- SMT configuration eliminates the need for wire-bonding
- Fewer dielectrics needed—replace 30+ dielectrics with just 3–5
- More capacitance from higher-Q, low-k dielectrics that operate well over 100 GHz
- Replace X7R dielectrics with temperature and voltage stable NP0 dielectrics
- Replace exotic GBBL dielectrics with more robust legacy dielectrics
- High reliability capable

Applications

DC blocking

RF bypass

Impedance matching

Filtering

Tuning

Coupling

The new microwave/mm-wave gap capacitor is designed as a replacement for single layer wire-bondable ceramic capacitors. The internal structure of the patended XG Series is further extended at lower voltages, which are not available in any competing configuration. **Download the new XG Series Data Sheet and Selection Guide.**

Quantic™ Eulex

Quantic Eulex develops innovative ceramic components for the most demanding high frequency microwave, millimeter-wave, and 5G applications. Quantic Eulex solutions deliver design advantages through small-footprint, low profiling packaging, and a wide voltage range— fully tested up to 67 GHz with a roadmap planned from 6.5 to 100 GHz. The reliability of Quantic Eulex capacitors is well established at temperatures ranging from -55° to 125°C. Monterey Park, CA | 323.266.6603 | info@quanticeulex.com | quanticeulex.com