

Ceramic Resonators

When cost, size, and stability are important, look to Knowles Precision Devices' offering of Ceramic Resonators

Product Overview

Knowles Precision Devices offers coaxial resonators spanning applications from 0.3 – 65GHz.

Our stable ceramics allow you to achieve high Q, in a small form factor. The high Q obtained in the UHF, VHF, L, S, C bands and microwave frequency range makes these resonators ideal for many applications.

Coaxial resonators can be supplied as quarter wave resonators with one end fully metallized (i.e., shorted), and the other end open, fully metallized on both ends, or as half wave resonators with both ends open.



FUNCTIONAL APPLICATIONS

- Dielectric resonating oscillators (DRO)
- Voltage controlled oscillators (VCO)
- Global positioning systems (GPS)
- Bandpass/bandstop filters
- Narrowband/delay filters
- EMI Filtering

BENEFITS

- Rugged, temperature stable ceramics
- Thick film silver coating for excellent Q and solderability
- Superior silver adhesion - pulls strengths greater than 20 pounds
- Standard frequency tolerance is 0.1% - 1.0%; tighter tolerances available
- SMT tabs, tabless or slotted no tab configurations available for each size resonator

Our Ceramic Resonators Proudly Made in the USA

All Knowles Precision Devices resonators are proudly made at our US manufacturing location in San Diego, California.

