

## Sapphire Trimmers

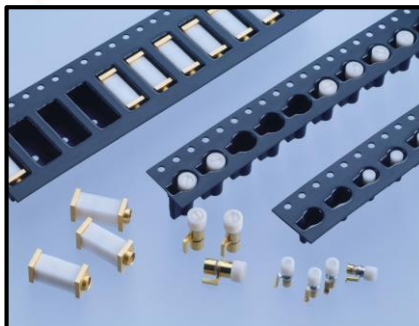
### ◆ Attributes

#### Pros:

- Smallest Size
- Finer Tuning/ Multi-Turn
- High Q

#### Cons:

- Lower Capacitance Range
- Lower Voltage



### ◆ Applications

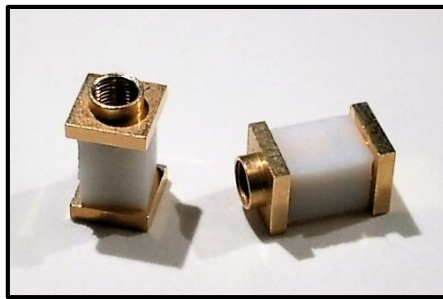
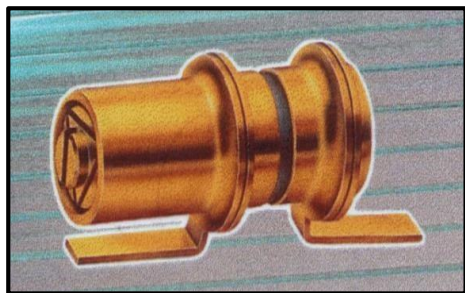
- LC Filters
- Radio Transmitters and Receivers
- Quartz Oscillators
- Coils for NMR – Systems
- Low Noise Amplifiers

### ◆ Specifications

- Capacitance Range: 1pF to 18.5pF
- Q-Factor: > 5000 @ 200 MHz
- DC Working Voltage: 500V
- DC Withstanding Voltage: 1kV
- Operating Temperature: - 65 °C to + 125 °C
- TCC (ppm/°C):  $0 \pm 75$  to  $350 \pm 75$  (model dependent)
- Insulation Resistance: >10 Mohm @ 500 VDC
- Vibration: 60g, 10-2000Hz
- Shock: 100g, 6msec.
- Resolution: High Resolution

### ◆ Available in Non-Magnetic - MRI/ NMR

### ◆ Custom designs available



### Q-Factor vs. Frequency

