



# Product Overview

## Multilayer Capacitors

- **RF/UHF/Microwave Capacitors**
  - Porcelain Capacitors
  - Medium and High Power High Frequency Capacitors
  - Non Magnetic Fixed Capacitors for Medical Imaging Equipment
  - Multilayer Ceramic Capacitors for RF and Microwave
- **High Temperature Multilayer Ceramic Capacitors (“T” Series)**
  - RF/Microwave (200°C) Chip and Leaded Capacitors
  - High Temperature (200°C) Multilayer Ceramic Chip Capacitors
  - High Temperature(200°C) Leaded Capacitors, X7R & NP0
  - High Temperature, High Voltage (500V to 5000V) Leaded Capacitors
- **High Voltage Capacitors**
  - High Voltage Surface Mount Chip Capacitors
  - High Voltage Leaded Capacitors
  - High Temperature 200°C, High Voltage Leaded Capacitors

## Dielectrics Substrate and Low Fired Powder

Dielectric substrate is Grain Boundary Layer (GBL) material, which equal to AVX’s MAXI material has highest dielectric constant in ceramic capacitor industry. Because of the low insert loss of GBL material at high frequency, it has been used in microwave device such as microwave amplifier, microwave module, IC package, blue tooth module and communication module etc.

Dielectric ceramic powder is Ultra Low fired material that can be fired at lower then 920°C. This low fired temperature allows manufacture to use low cost electrode system such as 95Ag/5Pd or 100% Silver to make Multilayer Ceramic Capacitor (MLCC). The ceramic powder includes COG and X7R formulation. The COG formulation has high Q at high frequency and can be used for making MLCC of cellular phone and other high frequency applications.

AFM has the most advanced test, and diagnostic equipment available for test and diagnostic material characterization and component electrical characteristics. The ability of our combined technical staff is unsurpassed.