

## Introduction

Morgan Electro Ceramics is part of the successful and long-established Morgan Crucible Company plc - a UK-based international group established in the eighteen hundreds & specialising in the design, development, manufacture and marketing of technology-based materials, components and chemicals. Listed below are some of the **Morgan** products.

## RF Power Ceramic Capacitors

Defined as capacitors suitable for radio frequency use with reactive powers greater than 1 kVA, rated current greater than 1 amp and rated voltage greater than 700 volts.

### Application

- Radio Broadcast Transmitters
- Antenna units
- Induction & dielectric heating
- Filter, by-pass & coupling circuits - frequencies 50 kHz to 100 MHz
- Tuned Matching Units

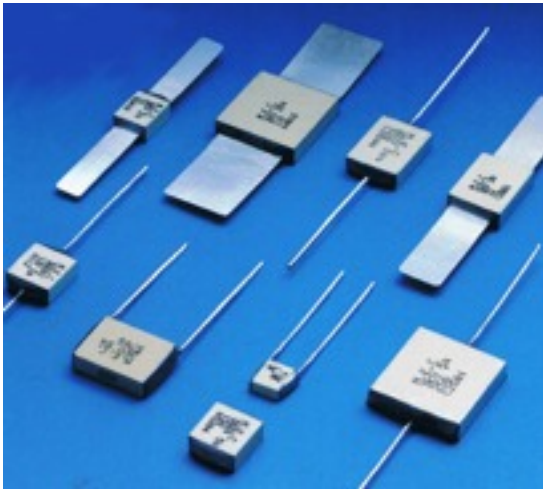


## Radio Frequency Multilayer Capacitors

Designed for high R.F. voltage & high R.F. current applications. These capacitors are made from very low loss magnesium titanate ceramic with internal palladium electrodes which, when sintered under controlled conditions form a monolithic, hermetically sealed device. These small devices have low self inductance permitting resonate free operation at microwave frequencies. All are completely non-magnetic allowing distortion free use with high Tesla magnetic field coils.

### Application

- Transmitters
- Tuned circuits
- R.F. generators
- Antenna circuits
- Induction & dielectric heating
- Filter & coupling circuits
- Magnetic scanning coils



## High Voltage Capacitors

These ceramic capacitors are designed for high DC voltages & power frequency application. They are power frequency tested 50 Hz up to 250 kV, impulse tested to 600k VPK, partial discharge tested to 120 kV & DC tested to 60 kV.

### Application

- Live-line indication
- DC & laser pulsing
- Voltage & multiplier circuits
- Grading
- HF by-pass & decoupling

