

Well Defined Structures for Capacitor Applications

Applications:

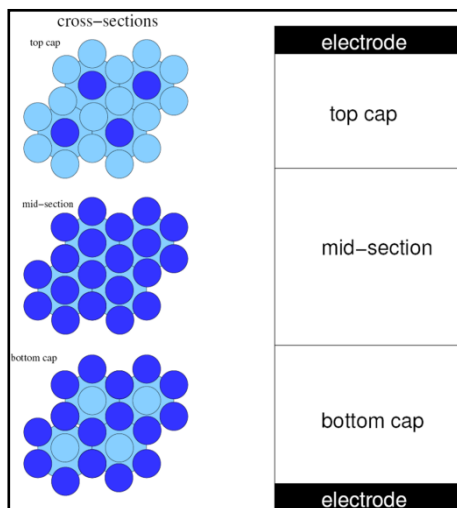
- Energy storage
- Power factor correction
- High-voltage capacitors
- Power electronic filters

Advantages:

- Superior reliability in extreme environments
- High operating temperature
- High operating voltage
- Low dielectric absorption
- Zero piezoelectric noise
- Self-healing
- Scalable production

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Capacitor Schematic

Summary:

Technology Description

The capacitor consists of dielectric and conductor elements arranged in an interlocking hexagonal configuration.

Technology Application

This technology can be used for power factor correction, high-voltage capacitors, power electronic filters, energy storage, and components for electric and hybrid-electric vehicles, particularly in situations where replacement costs are high.

Stage of Development: Modeled Concept

Patent Status: Patent pending

Licensing Status: Available for licensing