

Description



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1. Description

AnXon CT8G series Cylindrical ultra high voltage doorknob ceramic capacitors have excellent charge and discharge performance, high withstand voltage, good frequency characteristics, can withstand high impulse voltage, ultra low partial discharge characteristics, and AC and DC applications for customers to choose.

- Excellent behavior on pulse and fast discharge conditions
- Low dissipation factor, 0.05% low loss design available on request
- Very low partial discharge, as low as 1pC available
- Ultra low temperature properties, $\pm 0.5\%$ temperature vs capacitance available
- Ultra high frequency, very stable, up to 30Mhz operating frequency
- Excellent voltage characteristic, 200kV withstand available
- Molded type, Screw or Axial Leads available, small size design available
- Coated and uncoated devices available, customized high voltage capacitor banks available

2. General Specifications

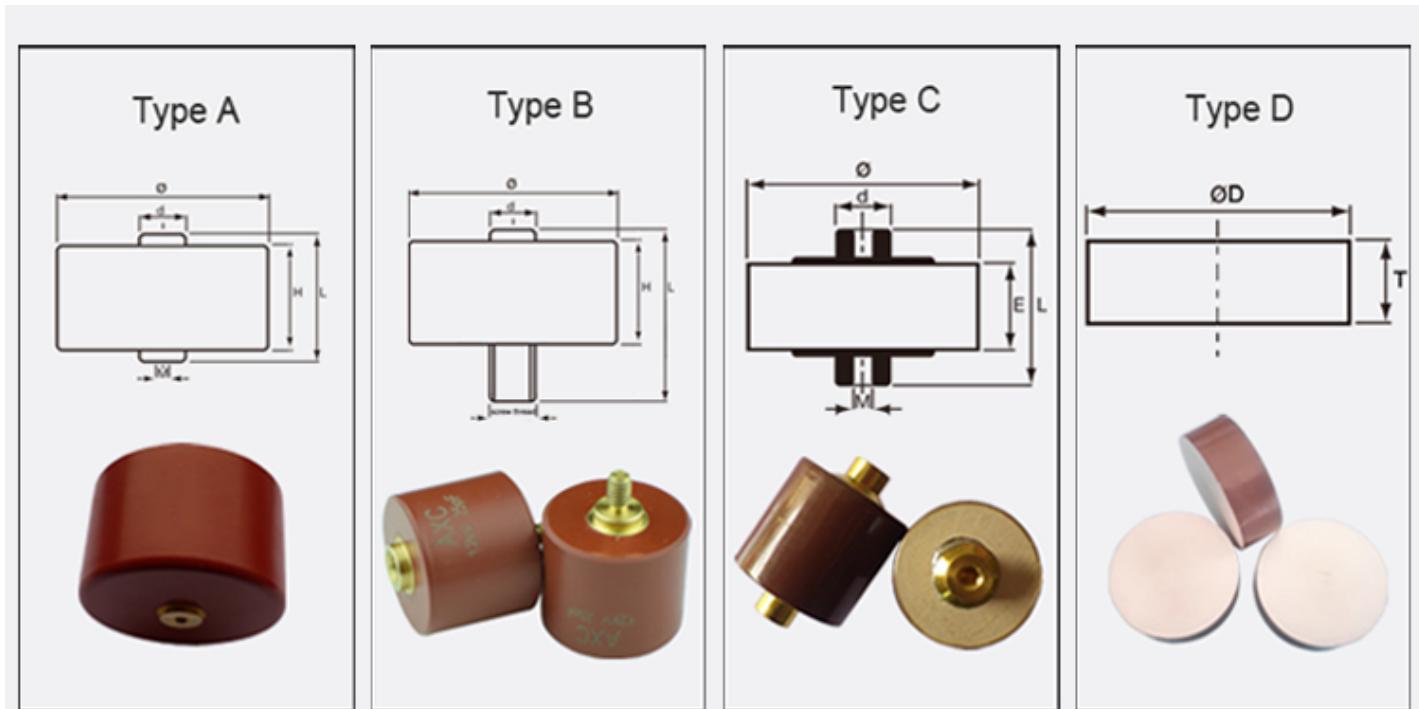
Rated voltage Range	10kVdc to 150 kVdc
Capacitance range	10pF to 20000pF single, 1.0 μ F capacitor bank available on request
Capacitance tolerance	Standard: $\pm 10\%$, $\pm 1\%$ available
Rated AC voltage range	3.6kVAC to 120kVac
Withstand voltage test	1.5 times of rated voltage
Lightening impulse voltage test	45kVdc-225kVdc, custom design available
Operating frequency	Max 30Mhz

Dissipation factor	Min 0.05%
Partial discharge	Min 1PC
Temperature properties	Min $\pm 0.5\%$
Operating temperature range	-40°C to +125°C

3. Products types

Cixi AnXon Electronic is committed to providing customers with mature, high quality, high reliability and customized high voltage ceramic capacitors. It is suitable for various high voltage, high frequency, high power, high temperature and high current applications.

The main materials are: NP0, COG, SL, DL, K1000, N4700, Y5T, Y5S, Y5R, Y5U, Y5V, Z5T, Z5V



Custom products available on request, please contact sales@anxoncap.com for details

4. Applications

The main applications include live line indicators, AC dividers, grading systems for power distribution network, protection for HV switches and power circuit breakers. Coupling, by-passing high frequency circuits also use HV ceramic disc capacitors. Laser pulses circuitry, high energy/high voltage test equipment(HV accelerators, physics research) require products especially adapted to their specific requirements.

- High voltage supply for gas laser
- High-voltage dividers
- Marx generators, Power generators
- High voltage columns for collider of HV accelerator
- High-voltage coupling devices
- Power line coupling system for Internet & Telecom
- Lightning arresters, voltage distribution systems
- HV Power Supply for X-ray, excimer lasers