

MLCC – High Voltage - HV Series

Market Segments / Applications

- Medical
- Industrial
- Alternative Energy
- Lighting
- Telecommunications



Applications

- X-Ray sources (Voltage multipliers)
- Air purification, ionization
- Power supplies, smart metering
- Motor control circuits
- DC/DC converter

Features

- Rated voltages from 500 V_{DC} up to 8 kV_{DC}
- 1206 to 4044 body size
- Polymer terminations for board flex requirements
- Open Mode Design and ArcGuard available



Key Advantages

- Serial electrode design **Serial Design**
- Broad range of High-Voltage solutions
- Low electrostrictive ceramic formulation for repeated charge and discharge cycles
- Smaller size vs. leaded caps

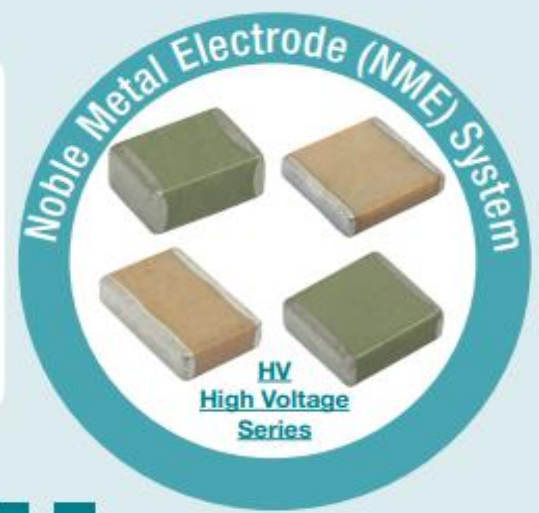
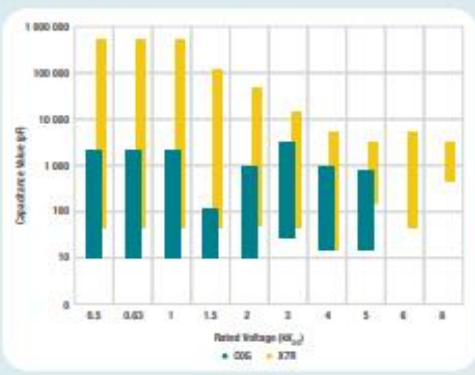


High Voltage MLCCs



MULTILAYER CERAMIC CHIP HIGH VOLTAGE CAPACITORS

AVAILABLE RANGE



ADVANTAGES OF HV MLCC CAPS OVER LEADED CAPS

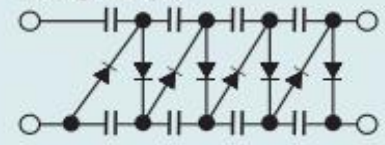
- Smaller size is suitable for mobile devices
- Surface-mount package allows for lower cost assembly
- Multilayer design offers greater capacitance values
- No voltage or temperature dependence with COG (NPO) Class I ceramic dielectric

APPLICATIONS



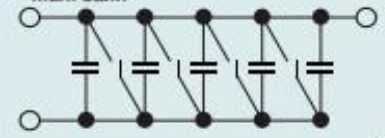
X-RAYS AND AIR PURIFYING

- Voltage multiplier

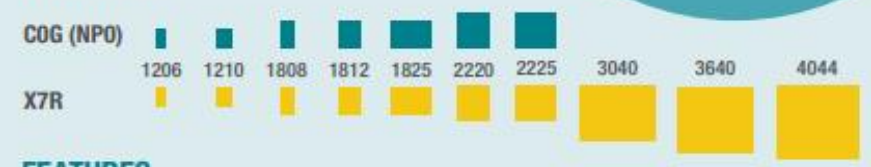


LASER

- Marx bank



FOOTPRINT



FEATURES

- Reliable serial design
- Polymer terminations available
- 100 % tested at min. 120 % of rated voltage

Working Voltage to 8,000 V

Body Size

- 1206 to 4044

Reliable serial design

Polymer terminations available (mitigate board flex issues)

Voltage Multipliers

- X-Rays
- Air purifiers
- Lasers