JANTZEN AUDIO

Superior Z-Cap

Metalized PP foil super MKP capacitor

PRODUCT FEATURE

The Superior-Z Cap offers extremely high performance, but still at a reasonable price point.

Highly recommended for tweeters and mid-range application for high-end passive speaker crossovers and as coupling capacitors in tube and power amplifiers.

The Superior Z-Cap is a metalized polypropylene foil capacitor but made as special construction we call a “Super MPK Capacitor”.

Super MKP capacitors are made with a double lane of metalized polypropylene foil, hence a double foil construction.

By using special winding machines and winding techniques, two capacitors are connected in series within one capacitor housing,

When making this type of capacitor you therefore need 4 times the foil used in standard type metalized polypropylene foil capacitors.

Compared to standard type metalized polypropylene foil capacitors, the Superior Z-Cap is on a higher audiophile level, where even finest nuance improvements can be heard.

An extremely well made and precise MKP capacitor with a tolerance on capacitance of only +/- 2%.

TECHNICAL DATA (Part 1 of 2)

Type: Non-polarized super MKP (double foil lanes)

Dielectric: Polypropylene film

Construction: Double-layer round tubular type axial leads

Winding: Bifilar extended metalized foil

Test Voltage: 150% rated voltage

Electrodes: Aluminum metallized vacuum deposited

Contacts: Non-inductive zinc thermally sprayed extended film

Coating: Red plastic tape wrapped black resin, sealed in an anodized aluminum tube

Leads: Tin plated oxygen free copper (99,99% purity)

Voltage rating: 1200 VDC / 800 VAC from 0.1 µF to 0.39µF
800 VDC / 630 VAC from 0.47 µF to 22µF

Capacity tolerance: ±2% (on nominal value)

Dielectric constant: Non-polar dielectric

Dissipation factor: Extremely low

TECHNICAL DATA (Part 2 of 2)

Dielectric absorption factor: ＜0.5% @20℃

Dielectric thickness: PB=6μm

Equivalent series resistance: Extremely low

Self-inductance: 0 nH

Insulation resistance: ＞100.000 MΩ@20℃

Temperature coefficient: -200℃x10^{-}6/℃

Temperature Range: -55℃to +85℃

Metal layer thickness: PB=0.4μm

Metal layer conductivity: PB =2.5 Ω/cm^2