JANTZEN AUDIO

Silver Z-Cap

Metalized polypropylene foil super-capacitor

PRODUCT FEATURE

Where the Superior Z-Cap is made with pure copper lead-wires, the Silver Z-Cap is made with pure silver lead-wires, giving the Silver Z a slightly different sound “flavor” tailored to silver based component enthusiasts.

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

The Silver 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 to use 4 times the amount of foil used in standard type metalized polypropylene foil capacitors.

Compared to standard type metalized polypropylene foil capacitors, the Silver 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: Silver plastic tape wrapped black resin, sealed in an anodized aluminum tube

Leads: Pure silver

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

Capacitance 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