

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 MKP 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

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

Capacity tolerance: $\pm 2\%$ (on nominal value)

Dielectric constant: Non-polar dielectric

Dissipation factor: Extremely low

TECHNICAL DATA (Part 2 of 2)

Dielectric absorption factor: $< 0.5\% @ 20^{\circ}\text{C}$

Dielectric thickness: PB=6 μm

Equivalent series resistance: Extremely low

Self-inductance: 0 nH

Insulation resistance: $> 100.000 \text{ M}\Omega @ 20^{\circ}\text{C}$

Temperature coefficient: $-200^{\circ}\text{C} \times 10^{-6} / ^{\circ}\text{C}$

Temperature Range: -55°C to $+85^{\circ}\text{C}$

Metal layer thickness: PB=0.4 μm

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

VALUES AND SIZES (Part 1 of 2)

- 0,10 μ F (\varnothing 17mm - L: 43mm) (Product Index: 001-0502)
- 0,15 μ F (\varnothing 17mm - L: 43mm) (Product Index: 001-0506)
- 0,22 μ F (\varnothing 23mm - L: 45mm) (Product Index: 001-0510)
- 0,33 μ F (\varnothing 26mm - L: 45mm) (Product Index: 001-0514)
- 0,39 μ F (\varnothing 31mm - L: 45mm) (Product Index: 001-0516)
- 0,47 μ F (\varnothing 17mm - L: 43mm) (Product Index: 001-0518)
- 0,56 μ F (\varnothing 17mm - L: 43mm) (Product Index: 001-0522)
- 0,68 μ F (\varnothing 17mm - L: 43mm) (Product Index: 001-0526)
- 0,82 μ F (\varnothing 19mm - L: 43mm) (Product Index: 001-0530)
- 1,00 μ F (\varnothing 19mm - L: 43mm) (Product Index: 001-0534)
- 1,50 μ F (\varnothing 22mm - L: 45mm) (Product Index: 001-0538)
- 1,80 μ F (\varnothing 26mm - L: 45mm) (Product Index: 001-0542)
- 2,20 μ F (\varnothing 26mm - L: 45mm) (Product Index: 001-0546)
- 2,70 μ F (\varnothing 30mm - L: 45mm) (Product Index: 001-0550)
- 3,30 μ F (\varnothing 30mm - L: 45mm) (Product Index: 001-0554)
- 3,90 μ F (\varnothing 30mm - L: 57mm) (Product Index: 001-0558)
- 4,70 μ F (\varnothing 30mm - L: 57mm) (Product Index: 001-0562)
- 5,60 μ F (\varnothing 35mm - L: 65mm) (Product Index: 001-0566)

VALUES AND SIZES (Part 2 of 2)

- 6,80 μ F (\emptyset 35mm - L: 65mm) (Product Index: 001-0570)
- 8,20 μ F (\emptyset 35mm - L: 70mm) (Product Index: 001-0574)
- 10,00 μ F (\emptyset 46mm - L: 70mm) (Product Index: 001-0578)
- 12,00 μ F (\emptyset 46mm - L: 70mm) (Product Index: 001-0582)
- 15,00 μ F (\emptyset 52mm - L: 70mm) (Product Index: 001-0586)
- 18,00 μ F (\emptyset 52mm - L: 70mm) (Product Index: 001-0588)
- 22,00 μ F (\emptyset 52mm - L: 70mm) (Product Index: 001-0590)