

JANTZEN AUDIO

SILVER Z-CAP

SUPER MKP CAPACITOR



PRODUCT FEATURE

The Silver-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 speakers and also as coupling capacitors in tube and power amplifiers.

Super MKP double foil design, where four times as much foil is used per microfarad, compared to single foil MKP capacitors.

Compared to single foil MKP capacitors, the Silver Z-Cap is on a higher audiophile level, where even finest nuance improvements can be heard.

Nitrogen filled instead of dielectric fluid, offering more foil per capacitor and eliminating risk of evaporation.

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

The difference between the Silver and Superior Z-Caps are that the lead-wires for the Silver Z-Caps are made from pure silver.

The Silver Z-Cap has slightly softer sonic presentation than the Superior Z-Cap.

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

Rated Voltage: 1200 VDC / 800 VAC
800 VDC / 630 VAC

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

Capacitance Range: 1200VDC from 0.1 μF to 0.39 μF
800VDC from 0.47 μF to 22 μF

Capacitance 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: 001-0602)
- ▶ 0,15 μ F (\varnothing 17mm - L: 43mm) (Product Index: 001-0606)
- ▶ 0,22 μ F (\varnothing 23mm - L: 45mm) (Product Index: 001-0610)
- ▶ 0,33 μ F (\varnothing 26mm - L: 45mm) (Product Index: 001-0614)
- ▶ 0,39 μ F (\varnothing 31mm - L: 45mm) (Product Index: 001-0616)
- ▶ 0,47 μ F (\varnothing 17mm - L: 43mm) (Product Index: 001-0618)
- ▶ 0,56 μ F (\varnothing 17mm - L: 43mm) (Product Index: 001-0622)
- ▶ 0,68 μ F (\varnothing 17mm - L: 43mm) (Product Index: 001-0626)
- ▶ 0,82 μ F (\varnothing 19mm - L: 43mm) (Product Index: 001-0630)
- ▶ 1,00 μ F (\varnothing 19mm - L: 43mm) (Product Index: 001-0634)
- ▶ 1,50 μ F (\varnothing 22mm - L: 45mm) (Product Index: 001-0638)
- ▶ 1,80 μ F (\varnothing 26mm - L: 45mm) (Product Index: 001-0642)
- ▶ 2,20 μ F (\varnothing 26mm - L: 45mm) (Product Index: 001-0646)
- ▶ 2,70 μ F (\varnothing 30mm - L: 45mm) (Product Index: 001-0650)
- ▶ 3,30 μ F (\varnothing 30mm - L: 45mm) (Product Index: 001-0654)
- ▶ 3,90 μ F (\varnothing 30mm - L: 57mm) (Product Index: 001-0658)
- ▶ 4,70 μ F (\varnothing 30mm - L: 57mm) (Product Index: 001-0662)
- ▶ 5,60 μ F (\varnothing 35mm - L: 65mm) (Product Index: 001-0666)

VALUES AND SIZES (Part 2 of 2)

- ▶ 6,80 μ F (\varnothing 35mm - L: 65mm) (Product Index: 001-0670)
- ▶ 8,20 μ F (\varnothing 35mm - L: 70mm) (Product Index: 001-0674)
- ▶ 10,00 μ F (\varnothing 46mm - L: 70mm) (Product Index: 001-0678)
- ▶ 12,00 μ F (\varnothing 46mm - L: 70mm) (Product Index: 001-0682)
- ▶ 15,00 μ F (\varnothing 52mm - L: 70mm) (Product Index: 001-0686)
- ▶ 18,00 μ F (\varnothing 52mm - L: 70mm) (Product Index: 001-0688)
- ▶ 22,00 μ F (\varnothing 52mm - L: 70mm) (Product Index: 001-0690)