

JANTZEN AUDIO

Standard Z-Cap

Metalized polypropylene foil capacitor



PRODUCT FEATURE

The Standard-Z Cap is our entry level audiophile capacitor.

It is a single foil standard type MKP capacitor that uses the highest possible quality aluminum based metalized PP foil.

It uses the same foil as our Superior- and Silver Z-caps, but in this application as a single foil capacitor.

The Superior – and Silver Z-caps are double foil (“Super MKP”) constructions where two capacitors are essentially wound into to one housing.

A capacitor that offers great sound and performance within its class.

Fast reacting, smooth and detailed in sound, compared to other single foil PP capacitors.

We do not fill our capacitors with any dielectric fluid, which eliminates all risks of evaporation or leakage that can shorten longevity and quality of the capacitor.

TECHNICAL DATA (Part 1 of 2)

Capacitor foil: Polypropylene foil metalized with Aluminium (Al)

Type: Non-polarized MKP (single foil lane)

Dielectric: Polypropylene film

Construction: Round tubular type axial leads

Winding: Bifilar extended metalized foil

Rated Voltage: 400 VDC / 250 VAC

Test Voltage: 150% rated voltage

Electrodes: Aluminum metallized vacuum deposited

Contacts: Non-inductive zinc thermally sprayed extended film

Coating: Blue plastic tape wrapped and sealed in black resin

Leads: Tin plated oxygen free copper

Capacitance Range: 400VDC from 1.0 μ F to 100 μ F

Capacitance tolerance: $\pm 5\%$ (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=5 μm

Equivalent series resistance: Extremely low

Self-inductance: $< 15 \text{ nH}$

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=0.3 μm

Metal layer conductivity: PB = 1.2 Ω/cm^2

VALUES AND SIZING (Part 1 of 2)

- ▶ 1,00 μ F (Ø 10mm - L: 30mm) (Product Index: 001-0410)
- ▶ 1,20 μ F (Ø 10mm - L: 31mm) (Product Index: 001-0411)
- ▶ 1,50 μ F (Ø 12mm - L: 31mm) (Product Index: 001-0413)
- ▶ 1,80 μ F (Ø 12mm - L: 31mm) (Product Index: 001-0416)
- ▶ 2,20 μ F (Ø 13mm - L: 31mm) (Product Index: 001-0419)
- ▶ 2,70 μ F (Ø 15mm - L: 31mm) (Product Index: 001-0422)
- ▶ 3,30 μ F (Ø 17mm - L: 31mm) (Product Index: 001-0425)
- ▶ 3,60 μ F (Ø 17mm - L: 31mm) (Product Index: 001-0428)
- ▶ 3,90 μ F (Ø 18mm - L: 31mm) (Product Index: 001-0431)
- ▶ 4,70 μ F (Ø 20mm - L: 31mm) (Product Index: 001-0434)
- ▶ 5,60 μ F (Ø 21mm - L: 31mm) (Product Index: 001-0437)
- ▶ 6,80 μ F (Ø 23mm - L: 31mm) (Product Index: 001-0440)
- ▶ 8,20 μ F (Ø 20mm - L: 46mm) (Product Index: 001-0443)
- ▶ 10,00 μ F (Ø 22mm - L: 46mm) (Product Index: 001-0446)
- ▶ 12,00 μ F (Ø 23mm - L: 46mm) (Product Index: 001-0447)
- ▶ 15,00 μ F (Ø 23mm - L: 55mm) (Product Index: 001-0449)
- ▶ 18,00 μ F (Ø 26mm - L: 56mm) (Product Index: 001-0452)
- ▶ 22,00 μ F (Ø 27mm - L: 60mm) (Product Index: 001-0455)

VALUES AND SIZING (Part 2 of 2)

- ▶ 33,00μF (Ø 34mm - L: 60mm) (Product Index: 001-0458)
- ▶ 47,00μF (Ø 40mm - L: 60mm) (Product Index: 001-0461)
- ▶ 56,00μF (Ø 42mm - L: 63mm) (Product Index: 001-0464)
- ▶ 68,00μF (Ø 45mm - L: 68mm) (Product Index: 001-0467)
- ▶ 82,00μF (Ø 43mm - L: 92mm) (Product Index: 001-0470)
- ▶ 100,00μF (Ø 47mm - L: 88mm) (Product Index: 001-0473)