

JANTZEN AUDIO

Standard Z-Cap

Metalized polypropylene foil capacitor



PRODUCT FEATURE

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

It positions higher in our capacitor hierarchy above the Cross Cap, but below the Superior Z-cap.

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 (single capacitor per housing).

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

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

Fast reacting, smooth and detailed in sound

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

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

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

VALUES AND SIZING (Part 2 of 2)

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