

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 (99,99% purity)

Capacity Range: 400VDC from 1.0 μF to 100 μF

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