

JANTZEN AUDIO

STANDARD Z-CAP

Metalized polypropylene foil capacitor



PRODUCT FEATURE

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

A capacitor that offers great value for money in its class. Fast reacting, smooth and detailed in sound, compared to other single foil PP capacitors.

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

TECHNICAL DATA (Part 1 of 2)

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 (\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 13mm - 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 16mm - 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 21mm - L: 46mm) (Product Index: 001-0446)
- ▶ 12,00 μ F (\varnothing 22mm - L: 46mm) (Product Index: 001-0447)
- ▶ 15,00 μ F (\varnothing 24mm - L: 55mm) (Product Index: 001-0449)
- ▶ 18,00 μ F (\varnothing 27mm - L: 60mm) (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 42mm - L: 59mm) (Product Index: 001-0461)
- ▶ 56,00 μ F (\emptyset 43mm - L: 63mm) (Product Index: 001-0464)
- ▶ 68,00 μ F (\emptyset 44mm - L: 68mm) (Product Index: 001-0467)
- ▶ 82,00 μ F (\emptyset 41mm - L: 90mm) (Product Index: 001-0470)
- ▶ 100,00 μ F (\emptyset 46mm - L: 90mm) (Product Index: 001-0473)