METAL FOIL/ PAPER IN OIL CAPACITORS FOR HIGH END AUDIO APPLICATIONS

Paper-in-oil dielectric high voltage (up to 1000 VDC or higher) foil capacitors for coupling applications in tube or solid state audio equipments.
Many audiophiles think that the oil capacitors sound warm. They simply sound correct, with the harmonic richness of the live music.

Electrodes: Aluminium (as standard) tin, copper or silver foil, extended foil construction.

Construction: Axial performance, hermetically sealed in aluminium tube (copper, brass, porcelain, glass encasing is also available for request). The terminal leads – available in tinned copper or pure silver – are solder-sealed to eyelets in the end-discs. The capacitor element is insulated from the tube.
The capacitors are supplies with an insulation sleeve, but in appliactions where it is assumed that the sleeve distorts the sound we can deliver without sleeve.

Preferred rated voltages: 250, 630, 1000 VDC

Capacitance tolerance: C < 0.1 µF : -20/+30%
C ≥ 0.1 µF : -10/+20%
10% tolerance, special tolerances and matching are available on request.

Operating temperature range: -40/+85°C

Max. ripple voltage: The sum of the peak ripple voltage and the applied DC voltage should not exceed the DC rating of the capacitor.

Power factor (loss factor) : tg δ < 0.008 at 1 kHz

Test voltages: Terminal to terminal and terminals to container 3 X Un.

Lifetime test: 250 hours at the maximum category temperature and 2 X Un, according to IEC 80 § 21.

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