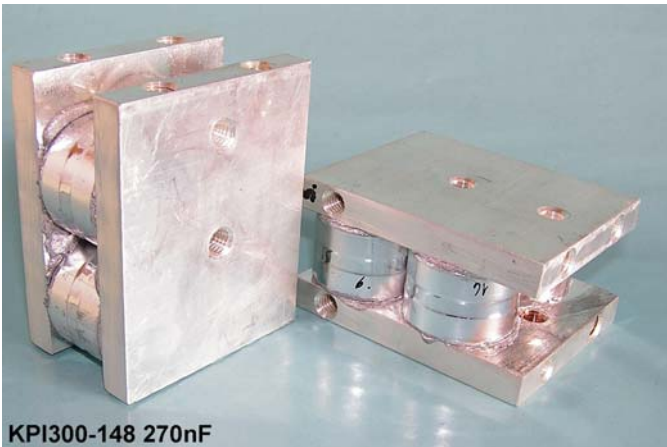
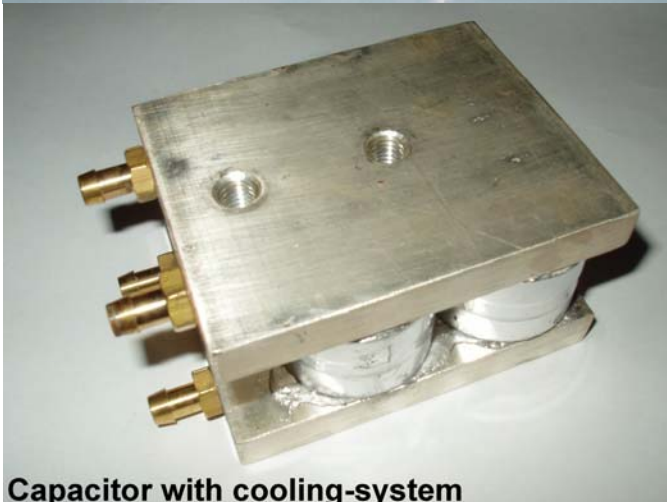


SPECIAL HIGH POWER CAPACITORS FOR HIGH FREQUENCY INDUCTION HEATING



KPI300-148 270nF



Capacitor with cooling-system



Winding-units of capacitor

Dimensions:
B=65, L=80, H=43⁺¹ mm, other dimensions on request

Marking for purchase ordering:
KPI300-148 270nF ±10%

Warning! The manufacturer is not responsible for any damages, caused by the improper installation and application. Before using the capacitor in any application, pleas, read carefully this technical data-sheet.

Construction:

Special winding units soldered on metal plates, which ensure cooling of the capacitors. The winding units have non-inductive, self-healing construction,

Applications:

The capacitors are designed for use in very high power and high frequency resonant circuits of induction heating devices.

The construction of contact-plates are adaptable in accordance to customer requirements.

Technical data

Rated voltage U_R: 3000DC

Max permissible AC voltage: 800V_{RMS}/50Hz

Rated capacitance:

50nF ÷ 270nF, other Capacitance on request

Tolerance: ±10%, other tolerance on request

Dissipation factor Tgδ: < 0,0002 at 1kHz and +25°C

ESR: at 100kHz and +25°C < 2mΩ

ESL: lower than 5nH

Self resonant frequency of the unit: > 4MHz

Working frequency of the capacitors: up to 1MHz

Insulation resistance R_{IS}: 30 000/°C [MΩ]

Operating temperature range: -40 ÷ +70°C

The highest permissible capacitor temperature at the hottest point of the case must not exceed +70°C.

Max . permitted dissipation power of the capacitor: depend on the cooling conditions of the capacitors

Test voltage between terminals: 3500VDC, 2min at +25°C,

All capacitors are tested by the routine test by the producer

