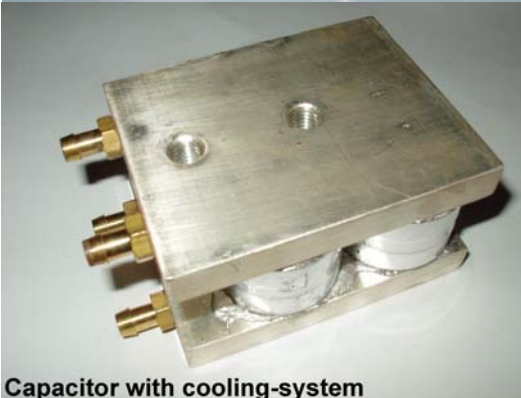
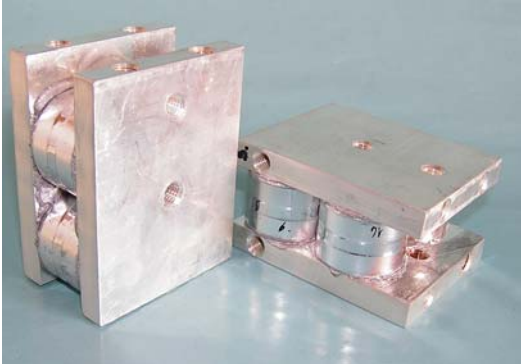


**KPI 300-201 SPECIAL HIGH POWER CAPACITORS FOR HIGH FREQUENCY INDUCTION HEATING**



Capacitor with cooling-system



Winding-units of capacitor

**Construction:**

Special winding units soldered on metal plates, which ensure good 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<sub>R</sub>:** 4000DC

**Max permissible AC voltage:** 1200 V<sub>RMS</sub>/50Hz

**Max permissible AC current:** 800 A<sub>RMS</sub>

**Rated capacitance:**

200-900nF, 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 7nH

**Self resonant frequency of the winding unit:** > 2MHz

**Working frequency of the capacitors:** up to 0,5MHz

**Insulation resistance R<sub>is</sub>:** 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:** 4500VDC, 1min at +25°C,

All capacitors are tested by the routine test by the producer

C [μF]	Dimensions [mm]		
	B	H	L
0,6-0,9	65	80	60

**Marking for purchase ordering:**

KPI300-201 880nF ±10%

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

