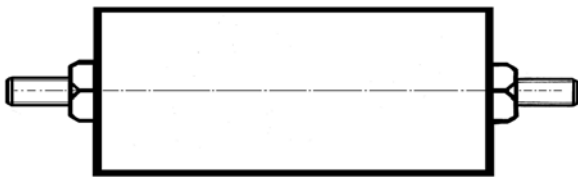
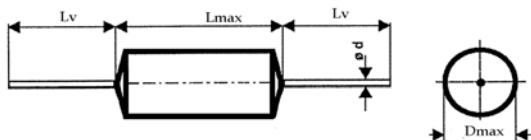
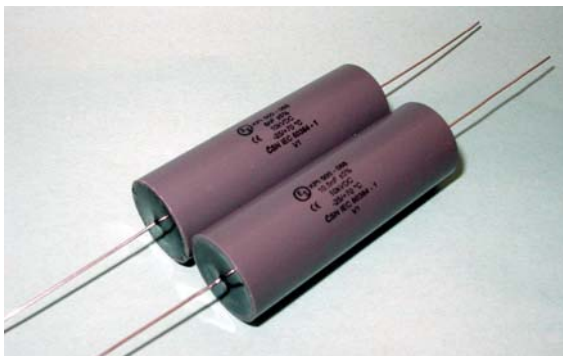


**KPI 500-088 CAPACITORS FOR DC & AC APPLICATIONS**



Capacity [nF]	Dimensions [mm]		
	D	L	L <sub>L</sub>
5	20	60	60
6	20	60	60
10	20	60	60
10,5	20	60	60
15	25	60	60
22	30	60	60
33	30	60	60
47	35	60	60
68	35	60	60
82	40	60	60
100	40	60	60

**Construction:**

Metallic electrodes, polypropylene film dielectric, non-inductive, self-healing construction, Plastic cylindrical flame retardant case Tinned cooper wire leads or screws M6x10 also available

**Applications:**

DC and AC applications with high pulse loading

**Technical data**

**Rated voltage U<sub>R</sub>:** 10 000V DC

Rated voltage is the max. DC or peak voltage, for which the capacitor is designed.

If the capacitor works with the DC and also super-imposed AC voltage U<sub>AC</sub>, the sum of DC and the amplitude of AC must not exceed the U<sub>R</sub>

**Max permissible AC voltage:** 2000V 50/60Hz,

If the working frequency is higher, the permissible AC voltage must be decreased, not to exceed the max. loss power of the capacitor.

**Rated capacitance:** 5 – 100nF

**Tolerance:** ±20%, ±10%,

**Dissipation factor Tgδ:** < 0,0006 at 1kHz and +25°C

**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 construction of the capacitor and the cooling conditions

**Test voltage between terminals:** 12500VDC, 1min at +25°C,

All capacitors are tested by the routine test by the manufacturer

**Protection against Over-voltages:**

The capacitors are self-healing and regenerate themselves after occasional breakdowns. The capacitor remains fully functional after the breakdown.

**Permitted Over-voltages in working conditions:**

1,1 x U<sub>R</sub> max. 10% of the service period

If the Over-voltages exceed the permissible values above, the capacitor might have been destroyed.

**Test voltage between terminals and case:** 12 500VDC, 1min. at +25°C

**Max. repetitive rate of voltage rise dU/dt:** < 300V/μsec at U<sub>R</sub> and +25°C

**Max. peak current I<sub>p</sub>:** < C<sub>R</sub> x dU/dt

**Related standards:** IEC 60384-1

**Marking for purchase ordering:**

KPI500-088 100nF±10% 10 000V DC

**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.