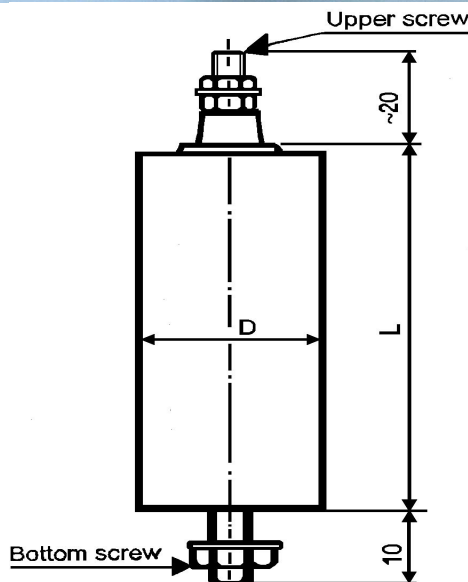


KPI 545P CAPACITORS FOR HIGH VOLTAGE APPLICATIONS



Construction:

Special metallic electrodes, Polypropylene-film dielectric, No-inductive, self-healing construction, Plastic cylindrical flame retardant case, with bottom screw M8x10. The bottom screw is using as the second terminal of the capacitor

Applications:

High Voltage capacitors for DC or AC and pulse applications

Technical data

Rated voltage U_R : 16 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_{AC} , the sum of DC and the amplitude of AC must not exceed the U_R

Max permissible AC voltage: 3000V 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: 10 ÷ 100nF, other Capacity on request available

Tolerance: ±10%, ±5%

Dissipation factor $Tg\delta$: < 0,001 at 1kHz and +25°C

Insulation resistance R_{IS} : > 3000/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.

Test voltage between terminals:

5000V 50Hz 10sec. at 25°C Max!

All capacitors are tested by the routine test by the producer

Protection against Over-voltages:

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

Test voltage between terminals and case:

20 000VDC, 1min. at +25°C

Max. repetitive rate of voltage rise dU/dt :

1000V/usec at U_R and +25°C

Max. peak current I_p : < $C_R \times dU/dt$

Terminals: upper-screw M6

Related standards: ČSN EN 60384-1

Marking for purchase ordering:

KPI 545P 50nF ± 10% 16 000VDC

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.

Capacity C_R [nF]	Dimensions [mm]			
	D	L	Bottom screw	Upper screw
25	50	120	M8	M4
50	50	120	M8	M4
100	75	120	M8	M4