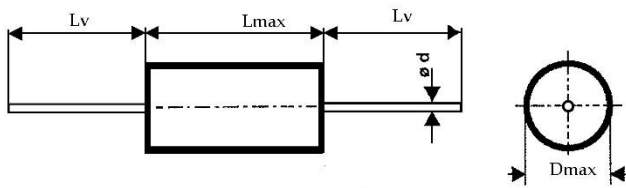


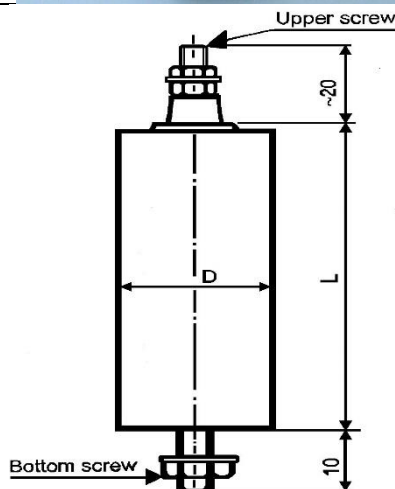


KPI 545P CAPACITORS FOR HIGH VOLTAGE APPLICATIONS

Construction A



Construction P



Construction:

Special metallic electrodes, Polypropylene-film dielectric, No-inductive, self-healing construction.

Plastic cylindrical flame retardant case.

Construction A: leads tinned copper wire $d=0,8\text{mm}$ $L_v=40\text{mm}$

Construction P: case with bottom screw M8x10, upper screw M4. 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 : 16 000 V 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: $\pm 10\%$, $\pm 5\%$

Dissipation factor $Tg\delta$: $< 0,001$ at 1kHz and $+25^\circ\text{C}$

Insulation resistance R_{IS} : $> 3000/C$ [$M\Omega$]

Operating temperature range: $-40 \div +70^\circ\text{C}$

The highest permissible capacitor temperature at the hottest point of the case must not exceed $+70^\circ\text{C}$.

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 $+25^\circ\text{C}$

Max. repetitive rate of voltage rise dU/dt :

1000V/usec at U_R and $+25^\circ\text{C}$

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

Terminals: upper-screw M6

Related standards: IEC 60384-1

Marking for purchase ordering:

KPI 545P 50nF $\pm 10\%$ 16 000VDC construction A or P

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	Construction
20	40	110	A
25	50	120	P
50	50	120	P
100	75	120	P