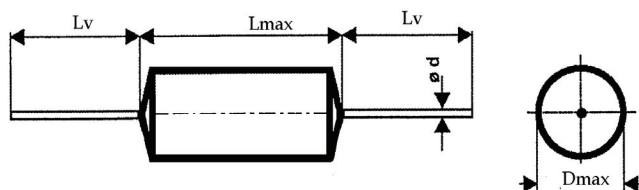


KPI 500 – 108 SPECIAL HIGH VOLTAGE CAPACITORS



C* [pF]	Dimensions [mm]		
	D	L	Lv wire-leads
470	16	100	0,8x30mm

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.

Construction:

Metalic electrodes, polypropylene-film dielectric, non-inductive, self-healing construction
Plastic cylindrical flame retardant case

Applications:

High voltage pulse applications

Technical data

Rated voltage U_R : 6 000AC 50/60Hz.

Rated voltage is the max. AC voltage, for which the capacitor is designed. 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: 470pF

Tolerance: $\pm 10\%$,

Dissipation factor $Tg\delta$: $< 0,0006$ at 1kHz and $+25^\circ\text{C}$

Insulation resistance R_{IS} : $> 30000\text{M}\Omega$

Max. repetitive rate of voltage rise dU/dt :
2 500V/usec at U_R and $+25^\circ\text{C}$

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

Test voltage between terminals: $1,1 \times U_R$, 1min. at $+25^\circ\text{C}$, all capacitors are tested by the routine test by the producer

Test voltage between terminals and case:
20 000VDC, 1min. at $+25^\circ\text{C}$

Related standards: IEC 60384-1

Operating temperature range: $-40 \div +70^\circ\text{C}$
The highest permissible capacitor temperature at the hottest point of the case must not exceed $+70^\circ\text{C}$.

Permitted over-voltages in working conditions:
 $1,1 \times U_R$ for 2 sec.
If the over-voltages exceed the permissible values above, the capacitor might have been destroyed.

Marking for purchase ordering:
KPI500-108 470pF 6000V AC