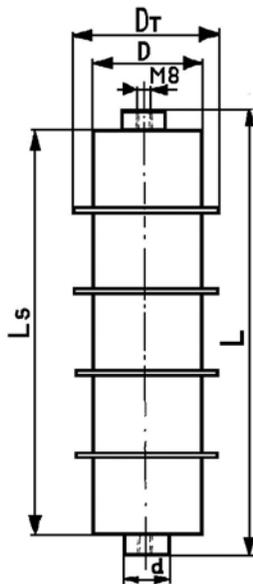


KPI 500-097 CAPACITORS FOR AC & PULSE APPLICATIONS

Construction:



Capacity [nF]	Dimensions [mm]				
	D _T	L	D	L _S	d
5	50	150	30 ^{±1}	120 ^{±2}	20
6	50	150	31 ^{±1}	120 ^{±2}	20
10	50	150	32 ^{±1}	120 ^{±2}	20
15	50	150	33 ^{±1}	120 ^{±2}	20

Construction:

Metallic electrodes, polypropylene film dielectric, no-inductive, self-healing construction, Cylindrical construction

Leads are pegs with internal screw M8x6 on the upper and bottom face of the body. The pegs are securely bonded to the metal-foil electrodes

Applications:

AC applications with high pulse loading

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: 4000V 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: 3,0 ÷ 30,0nF,

other capacity on request

Tolerance: ±20%, ±10%,

Dissipation factor Tgδ: < 0,0005 at 1kHz and +25°C

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: 18 000VDC, 10sec. 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_R max. 10% of the service period
If the Over-voltages exceed the permissible values above, the capacitor might have been destroyed.

Max. repetitive rate of voltage rise dU/dt: < 1000V/μsec at U_R and +25°C

Max. peak current I_p: < C_R x dU/dt

Related standards: IEC 60384-1

Marking for purchase ordering:

KPI500-097 6,0nF±10% 16 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.