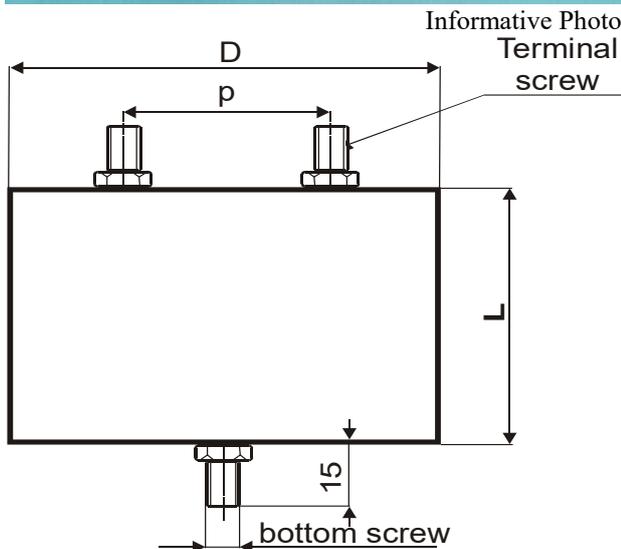




MKP 300-114 CAPACITORS FOR AC APPLICATIONS



Capacity C_R [μ F]	Dimensions [mm]			
	D	L	p	Terminal screws
70	110	80	60	M8
80	110	80	60	M8
120	110	130	60	M10
150	110	130	60	M10

Other Capacity on request available

Construction:

Metallized polypropylene film, Non-inductive, self-healing construction, Plastic cylindrical flame retardant case, with bottom screw M8x10, or M10x15 available, The terminals are screws M8 or M10

Applications:

DC and AC applications

Technical data

Rated voltage U_R : 1000V 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: 500V 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: 50 ÷ 150 μ F

Tolerance: $\pm 10\%$, $\pm 5\%$,

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

Insulation resistance R_{IS} : >3000/C [M Ω]

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 P_L : depend on the construction of the capacitor and the cooling conditions

Test voltage between terminals:

1,25 x U_R , 1min. at +25°C

All capacitors are tested by the routine test by the producer

Protection against Overvoltages:

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

Permitted Overvoltages in working conditions:

1,1 x U_R max. 10% of the service period

If the Overvoltages exceed the permissible values above, the capacitor might have been destroyed.

Test voltage between terminals and case:

3000VDC, 1min. at +25°C

Max. repetitive rate of voltage rise dU/dt :

< 10V/ μ sec at U_R and +25°C

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

Terminals: screws M8 or M10

Related standards: IEC 60384-1

Marking for purchase ordering:

MKPI300-114 150 μ F $\pm 10\%$ 1000VDC

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.