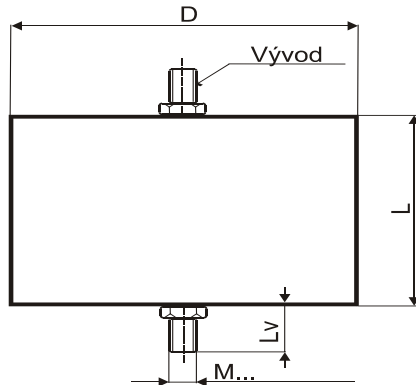


CAPACITORS FOR AC & PULSE APPLICATIONS

MKPI 300-107



Dimensions:



C _R [µF]*	Dimensions ⁺¹ [mm]			
	D	L	M	Lv
30,0	110	90	8	10,0

*Other capacitance on request

Construction:

Double side metalized film electrodes with internal series connection, polypropylene film dielectric, Non-inductive, self-healing construction, Plastic cylindrical flame retardant case, epoxy resin sealed.

Applications:

AC applications with high peak and RMS current loading, high pulse loading, snubber applications.

Technical data

Rated voltage U_R : 1000VDC

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.

Tolerance: ±20%, ±10%, other tolerance on request

Dissipation factor Tgδ: < 0,001 at 1kHz and +25°C

Insulation resistance R_{IS}: 30 000/°C [MΩ; µF]

Operating temperature range: -55 ÷ +85°C

Max permissible ambient temperature: +70°C on case

The highest permissible capacitor temperature at the hottest point of the case must not exceed +85°C.

Test voltage between terminals:

1,6xU_R, 1min at +25°C. 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.

Permitted over-voltages in working conditions:

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

If the Over-voltages exceed the permissible value 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: < 300V/usec

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

Related standard: IEC 60384-1

Marking for purchase ordering, sample:

MKPI300-107P 30µF 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.