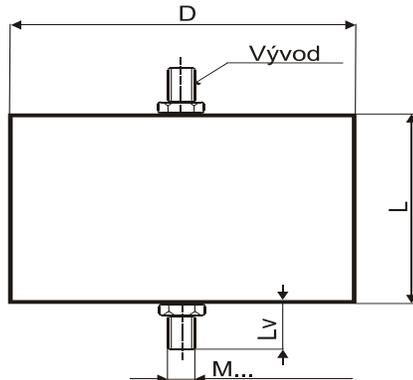


## CAPACITORS FOR AC & PULSE APPLICATIONS

### MKPI 300-107



#### Dimensions:



C <sub>R</sub> [µF]*	Dimensions <sup>+1</sup> [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<sub>R</sub>** : 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<sub>AC</sub>, the sum of DC and the amplitude of AC must not exceed the U<sub>R</sub>

**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<sub>IS</sub>:** 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<sub>R</sub>, 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<sub>R</sub> 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<sub>p</sub>:** < C<sub>R</sub> 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.