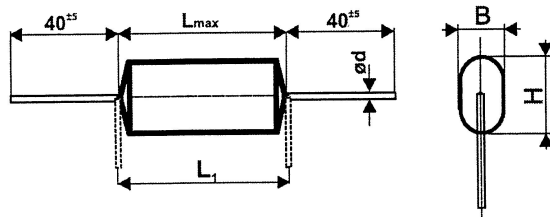


## CAPACITORS FOR DC & AC APPLICATIONS

### MKP 300-210



#### Dimensions:



C <sub>R</sub> [µF]*	Dimensions <sup>+1</sup> [mm]			
	B	H	L	d
0,5	16	26	30	0,8
0,68	24	28	30	0,8
0,80	23,5	33,5	30	0,8

\*Other capacitance on request

**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:

Metalized film electrodes with internal series connection, polypropylene film dielectric, Non-inductive, self-healing construction, Polyester tape wrapping, epoxy resin sealed, flame retardant execution, UL94-V0

#### Applications:

DC and AC applications with RMS current loading applications.

#### Technical data

**Rated voltage U<sub>R</sub>:** 1600VDC up to 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:** 850V 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:** < 0,0005 at 1kHz and +25°C

**Insulation resistance R<sub>IS</sub>:** 30 000/C [MΩ]

**Operating temperature range:** -40 ÷ +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:

1,4xU<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.

#### Non Recurrent Surge Voltage: U<sub>PK</sub>

If the Over-voltages exceed the permissible value above, the capacitor might have been destroyed.

#### Test voltage between terminals and case:

2000VDC, 1min. at +25°C

**Max. permissible dU/dt:** < 10V/usec

**Related standards:** IEC 60384-1

#### Marking for purchase ordering, sample:

MKP300-210 0,5µF±5% 850VAC