

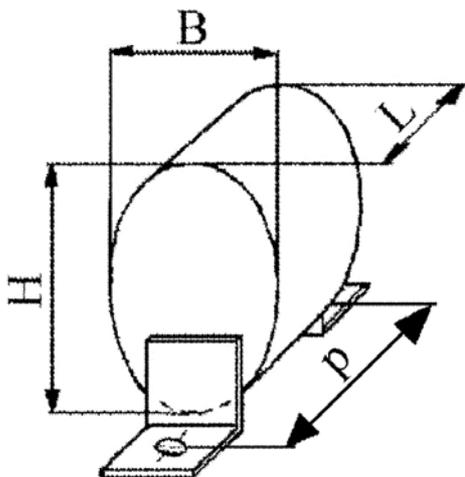
CAPACITORS FOR DC & AC APPLICATIONS

MKP 300-215



INFO

Dimensions:



For 10 μ F B=20mm, H=27mm, L=58mm, p=67,5
Other dimensions 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, polypropylene film dielectric, No-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_R : 400VDC

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: 230V 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: $\pm 20\%$, $\pm 10\%$, other tolerance. on request

Dissipation factor $Tg\delta$: $< 0,0006$ at 1kHz and $+25^\circ\text{C}$

Insulation resistance R_{IS} : 30 000/C [$M\Omega$]

Operating temperature range: $-40 \div +85^\circ\text{C}$

Max permissible ambient temperature: $+85^\circ\text{C}$ on case

The highest permissible capacitor temperature at the hottest point of the case must not exceed $+85^\circ\text{C}$.

Test voltage between terminals:

$1,4 \times U_R$, 1min at $+25^\circ\text{C}$, 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_{PK}

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

Test voltage between terminals and case:

2000VDC, 1min. at $+25^\circ\text{C}$

Max. permissible dU/dt : $< 65\text{V}/\mu\text{sec}$

Related standards: IEC 60384-1

Marking for purchase ordering, sample:

MKP300-215 10 μ F $\pm 10\%$ 400VDC