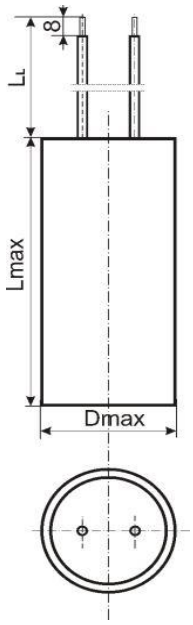
Elektronické součástky CZ, a.s.

MKP 300-221 CAPACITORS FOR DC & AC APPLICATIONS

Dimensions:



C_R[µF]*	Dimensions +1[mm]			
	D	L	L_L**	
0,12	12	36	60	
0,15	15	36	100	

*Other capacitance on request
** Other Lv on request

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_R: 630VDC 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_{AC}, the sum of DC and the amplitude of AC must not exceed the U_R

Max permissible AC voltage: 400V 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: ±5%, other tolerance on request

Dissipation factor Tgδ: < 0,0005 at 1kHz and +25°C

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

Operating temperature range: -40 ÷ +100°C

Test voltage between terminals:
1600VDC, 2sec 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_{PK}
If the Over-voltages exceed the permissible value above, the capacitor might have been destroyed.

Test voltage between terminals and case:
2000V/50Hz, 1min. at +25°C

Max. permissible dU/dt: < 20V/usec

Related standards: IEC 60384-1

Marking for purchase ordering, sample:
MKP300-221 0,15µF± 5% 400VAC/630VDC

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.