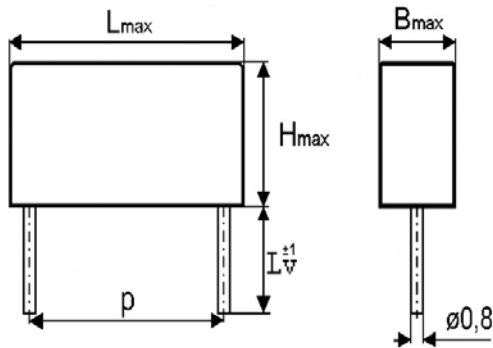


MKP300-214 CAPACITORS FOR AC APPLICATIONS



INFO



Capacity C _R [nF]	Dimensions [mm]				
	B	H	L	p	L _v
50	22	37	32	27,5	8

Other capacity and other L_v 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:

Metallized polypropylene film, non-inductive, self-healing construction, plastic rectangular flame retardant case

Applications:

Special AC applications

Technical data

Rated voltage U_R: 1000VAC 50/60Hz

If the working frequency is higher, the permissible AC voltage must be decreased

Rated capacitance: 50nF, other capacity on request

Tolerance: ±10%, ±5%, other tolerance on request

Dissipation factor Tgδ: < 0,001 at 100Hz and +25°C

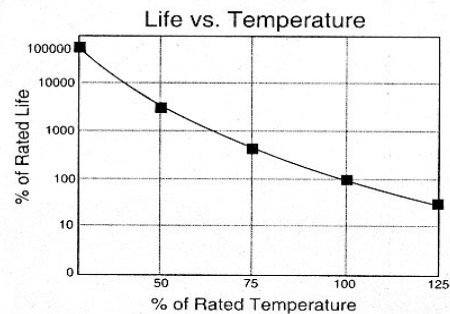
Insulation resistance R_{IS}: >10 000/C [MΩ; uF]

Operating temperature range: -40 ÷ +70°C

The highest permissible capacitor temperature at the hottest point of the case must not exceed +70°C.

Operating life expectancy: 10 000h/1000V 50Hz, Class B, Test conditions 1,25xU_R at +85°C, 2000h

Life expectancy vers. temperature:



Test voltage between terminals: 1400 VAC, 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 values above, the capacitor might have been destroyed.

Test voltage between terminals and case:

3000VAC/50Hz, 1min. at +25°C

Max. repetitive rate of voltage rise dU/dt:

< 100V/µsec at U_R and +25°C

Related standards: IEC 60384

Marking for purchase ordering:

MKP300-214 50 nF±10% 1000V 50/60Hz