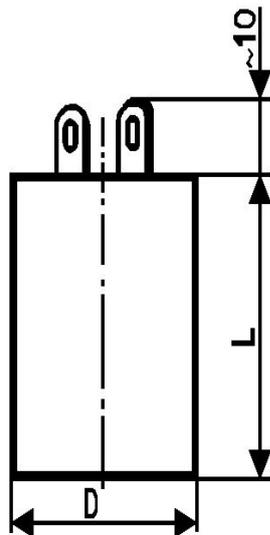


CAPACITORS FOR DC & AC APPLICATIONS

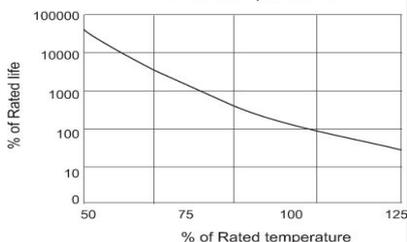
MKP300-194



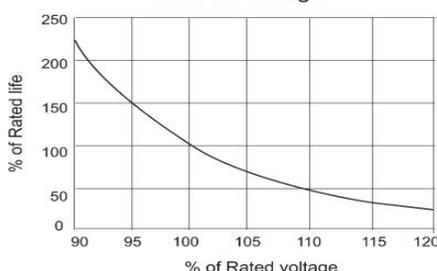
Dimensions:



Life vs. temperature



Life vs. voltage



Other cap

Construction:

metalized film electrodes with internal series connection, combined dielectric for temperature-compensation, Non-inductive, self-healing construction, Tubular plastic case, epoxy resin sealed, flame retardant execution

Applications:

DC and AC applications.

Technical data

Rated voltage U_R : 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: by 2000Hz,

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 $Tg\delta$: $< 0,0013$ at 2kHz and $+25^\circ\text{C}$

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

Operating temperature range: $-55 \div +85^\circ\text{C}$

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:

625V 50Hz, 2sec at $+25^\circ\text{C}$

All capacitors are tested by the routine test by the producer

Protection against Overvoltages:

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 Overvoltages exceed the permissible value above, the capacitor might have been destroyed.

Test voltage between terminals and case:

2500V, 50Hz 2sec. at $+25^\circ\text{C}$

Related standards: IEC 60384-1

Marking for purchase ordering, sample:

MKP300-194 0,25 $\mu\text{F} \pm 5\%$ 630V DC,

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.

C_R [μF]	U_R	U_{PK}	U_{RMS}	Dimensions [mm]	
	[V]	[V]	[V]	D	L
0,25	630	700	200	25	45
0,71	630	700	200	30	45

Life expectancy:

Reference conditions for 100 000h

$T_a: 25^\circ\text{C}$, $U_W: 100\text{V}$, 1kHz