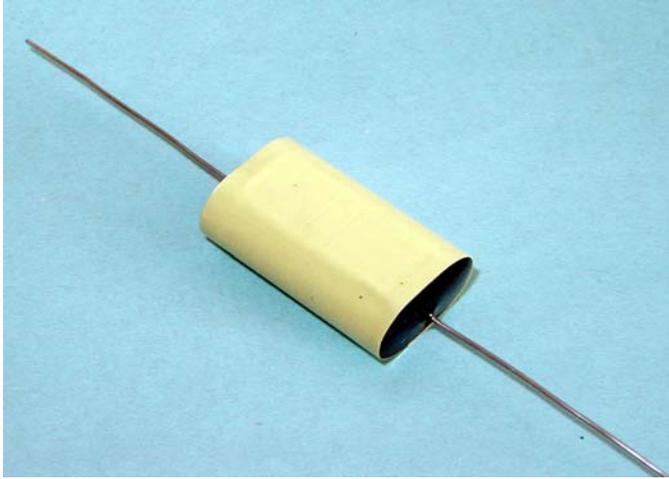
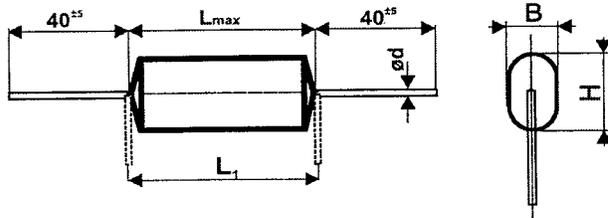


CAPACITORS FOR AC VOLTAGE APPLICATIONS MKP 300-193

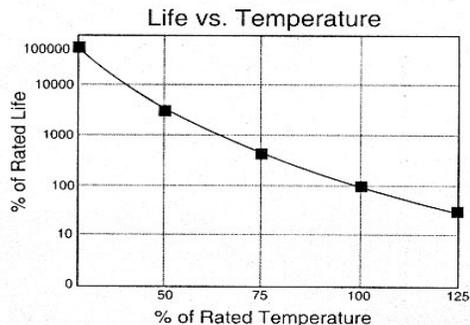
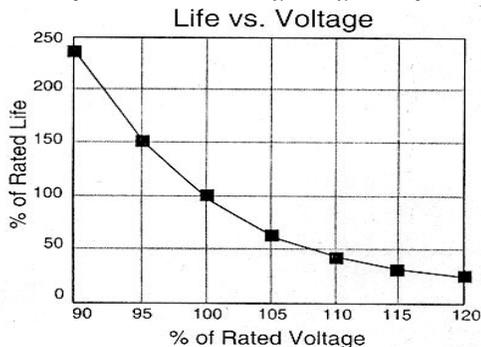


Dimensions: B=18, H=25, L=35⁺¹mm

INFO



Influence of temperature and working voltage on expected service-life



Construction:

metalized film electrodes, polypropylene film dielectric, Non-inductive, self-healing construction, Polyester tape wrapping, epoxy resin sealed, flame retardant execution UL94-V0 on request Tinned cooper wire or insulated stranded wire leads

Applications:

Motor-run capacitors and other AC applications

Technical data

Rated DC 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: 250V 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.

Capacity: 3,3uF, other capacity on request

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

Dissipation factor $Tg\delta$: $< 0,001$ at 100Hz and $+25^\circ\text{C}$

Insulation resistance R_{IS} : 10 000/C [M Ω]

Operating temperature range: $-40 \div +70^\circ\text{C}$

Max permissible ambient temperature: $+70^\circ\text{C}$ on case

The highest permissible capacitor temperature at the hottest point of the case must not exceed $+70^\circ\text{C}$.

Operating life expectancy: 10000h/250V 50Hz at $+25^\circ\text{C}$

Test conditions $1,25 \times U_R$ at $+70^\circ\text{C}$, 2000h

IEC 60252, 2.13, tab.4

Test voltage between terminals:

$1,6 \times U_R$, 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. 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. repetitive rate of voltage rise $dU/dt < 20\text{V}/\mu\text{sec}$

The capacitors are not suitable for direct across the line operation !

Related standards: IEC 60384-1, IEC 60252

Marking for purchase ordering, sample:

MKP300-193 3,3uF 250V 50/60Hz

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.