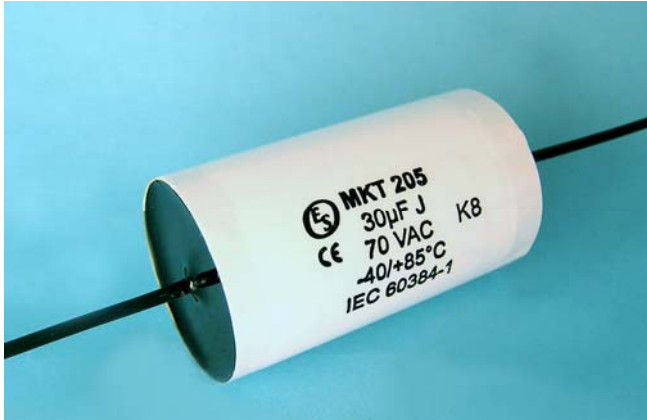
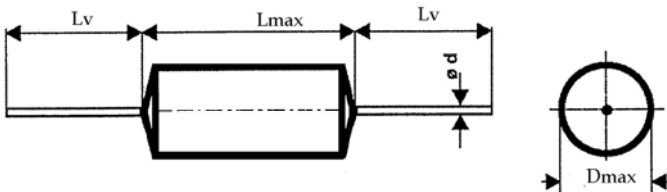


## CAPACITORS FOR AC VOLTAGE APPLICATIONS MKT 205

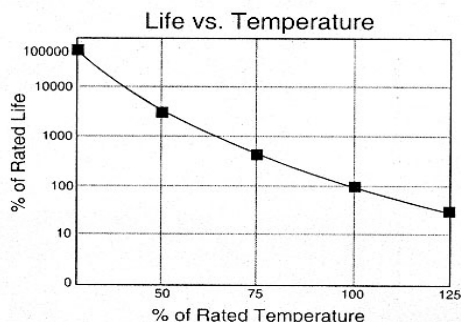
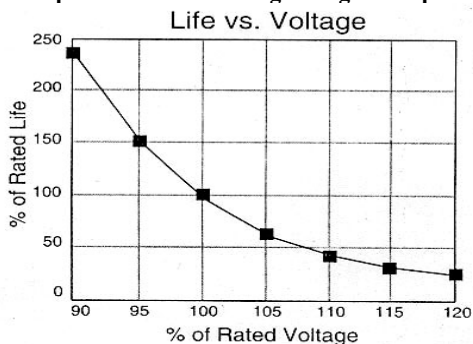


### Dimensions:

Capacity $C_R$ [nF]	Dimensions [mm]		
	D	L	Lv
30	30	$50^{+1}$	100
42	34	$50^{+1}$	100
68	43	$50^{+1}$	100



### Influence of temperature and working voltage on expected service-life



### Construction:

metalized film electrodes, polyester film dielectric, No-inductive, self-healing construction, Polyester tape wrapping epoxy resin sealed, flame retardant execution, insulated wire leads

### Applications:

Motor-run capacitors and other AC and DC applications

### Technical data

**Rated DC voltage  $U_R$ :** 160VDC

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:** 70V 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:** 30µF-68, other capacity on request

**Tolerance:**  $\pm 20\%$ ,  $\pm 10\%$ ,  $\pm 5\%$ ,

other tolerance. on request

**Dissipation factor  $Tg\delta$ :**  $< 0,01$  at 100Hz and  $+25^\circ\text{C}$

**Insulation resistance  $R_{is}$ :** 5 000/C [ $M\Omega$ ]

**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  $+70^\circ\text{C}$ .

### Test voltage between terminals:

$1,4xU_R$ , 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:

1000VDC, 1min. at  $+25^\circ\text{C}$

### Max. repetitive rate of voltage rise $dU/dt < 5V/\mu\text{sec}$

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

**Related standards:** IEC 60384-1, IEC 60252-1

### Marking for purchase ordering, sample:

MKT 205 30µF 70V 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.