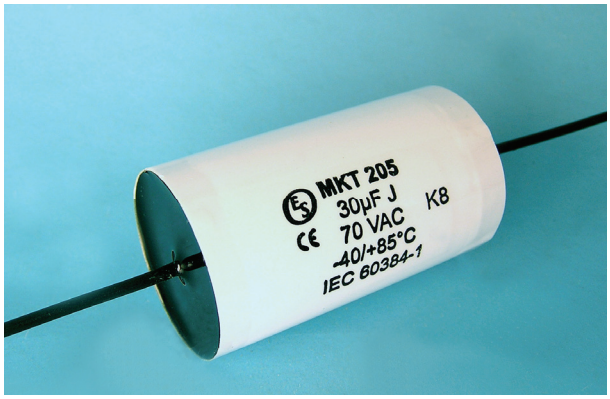
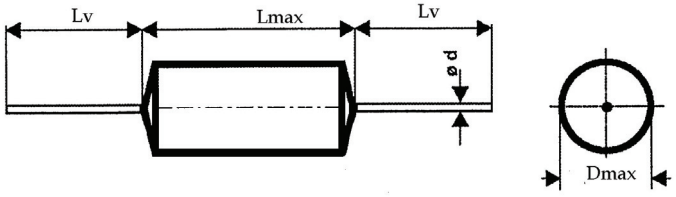
Elektronické součástky CZ, a.s.

CAPACITORS FOR AC VOLTAGE APPLICATIONS
MKT 205

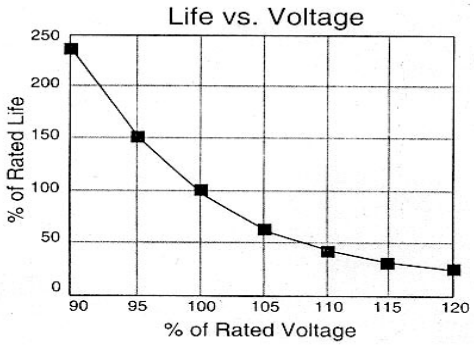


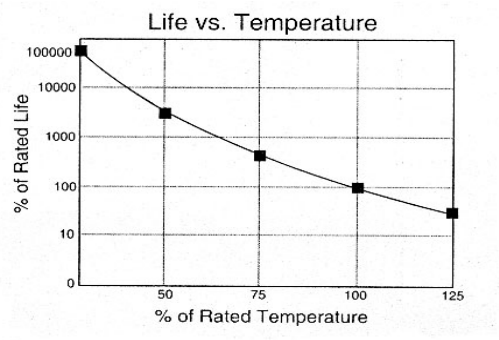
Dimensions:

Capacity C_R [nF]	Dimensions [mm]		
	D	L	Lv
15	21	31^{+1}	100
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: 15uF-68, other capacity on request

Tolerance: ±20%, ±10%, ±5%,
other tolerance. on request

Dissipation factor Tgδ: < 0,01 at 100Hz and +25ºC

Insulation resistance R_{IS}: 5 000/C [MΩ]

Operating temperature range: -40 ÷ +70ºC

Max permissible ambient temperature: +70ºC on case
The highest permissible capacitor temperature at the hottest point of the case must not exceed +70ºC.

Test voltage between terminals:
1,4xU_R, 1min at +25ºC 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 +25ºC

Max. repetitive rate of voltage rise dU/dt< 5V/usec
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 15uF 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, pleas, read carefully this technical data-sheet.