Elektronické součástky CZ, a.s.

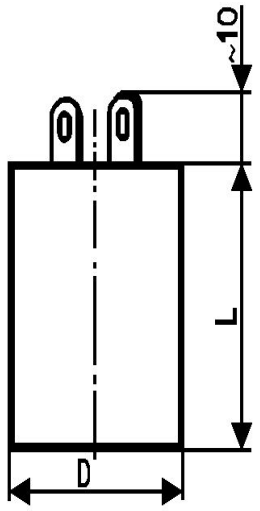
COMPENSATED CAPACITORS FOR DC & AC APPLICATIONS

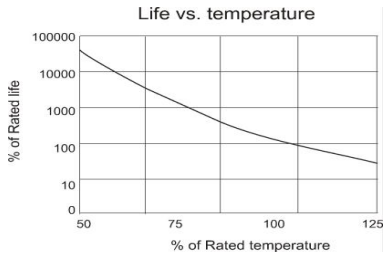
MKTP300-194

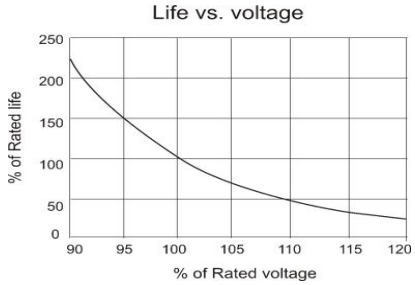
Construction:
metalized film electrodes, combined dielectric for temperature-compensation, Non-inductive, self-healing construction,
Tubular plastic case, epoxy resin sealed,
flame retardant execution
Applications: DC and AC applications.
Technical data
Rated voltage U_R: 630VDC, Rated voltage is the 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: $200V_{RMS}$ by 2kHz,
If the working frequency is higher, the permissible AC voltage must be decreased, not to exceed the max. loss power of the capacitor.
Tolerance: ±5%, ±2%, at +25°C,
other tolerance on request
Dissipation factor Tgδ: < 0,004 at 2kHz and +25°C
< 0,002 at 2kHz and +85°C
Temperature coefficient Tk: < ± 80 ppm
Insulation resistance R_{IS}: 30 000/C [MΩ;uF]
Operating temperature range: -55 ÷ +85°C
Max permissible ambient temperature: +85°C on case
The highest permissible capacitor temperature at the hottest point of the case must not exceed +85°C.
Test voltage between terminals:
1000VDC, 2sec 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.
Non Recurrent Surge Voltage: U_{PK}
If the Over-voltages exceed the permissible value above, the capacitor might have been destroyed.
Test voltage between terminals and case:
2500V, 50Hz 2sec. at +25°C
Related standards: IEC 60384-1
Life expectancy: 100 000h at reference conditions
+40°C and 0,5xU_R
Marking for purchase ordering, sample:
MKTP300-194 0,25µF±2% 630V DC,
MKTP300-194 0,71µF±2% 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, pleas, read carefully this technical data-

Dimensions:







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