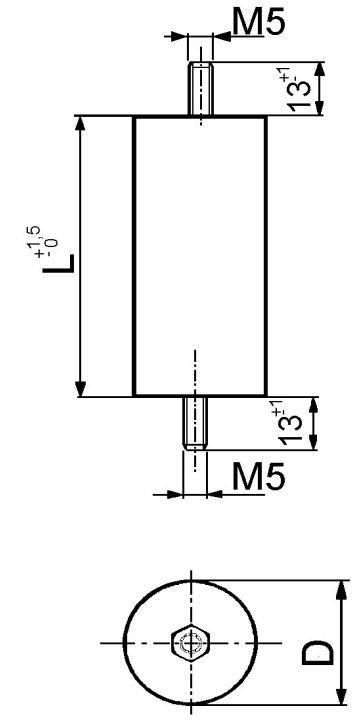
Elektronické součástky CZ, a.s.

HIGH VOLTAGE DC AND AC CAPACITORS
MKT 211R

Informative photo



Construction:
Metalizet electrodes, polyester dielectric internal series connection.
Non-inductive, self-healing construction, The windings are enclosed in a cylindrical metalic case, epoxy resin sealed, self-extinguishing, UL94-V0
Mechanical fixing and electrical contact are made by screws on the facing of the case.

Applications:
The capacitors are suitable to withstand high voltage loading .

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 U_{RMS} 800V 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.

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

Dissipation factor Tgδ: < 0,005 at 1kHz and +25°C

Insulation resistance R_{IS}: 10 000 [MΩ]

Operating temperature range: -40 ÷ +105°C

Max permissible ambient temperature: +100°C on case. The highest permissible capacitor temperature at the hottest point of the case must not exceed +105°C.

Test voltage between terminals:
2500VDC, 10sec. at +25°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.

Surge Voltage: U_P
If the Overvoltages exceed the permissible value above, the capacitor might have been destroyed.

Test voltage between terminals and case:
3000V50Hz, 1min. at +25°C

Max. permissible pulse loading: dU/dt<10/usec

Max. peak current I_p: < C_R x dU/dt

Mounting of capacitors: Max. tightening torque
For M5 screw = 4 Nm!
Recomendated to use 2 Spanners together against

Related standards: IEC 60384-1

Marking for purchase ordering, sample:
MKT211R 0,22µF±5% 2000VDC/800VAC

*Other capacity on request available

C_R[µF]*	U_R	U_T	U_{RMS}	Dimensions [mm]	
	[V]			D	L
0,22	2000	2500	800	30	68

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.