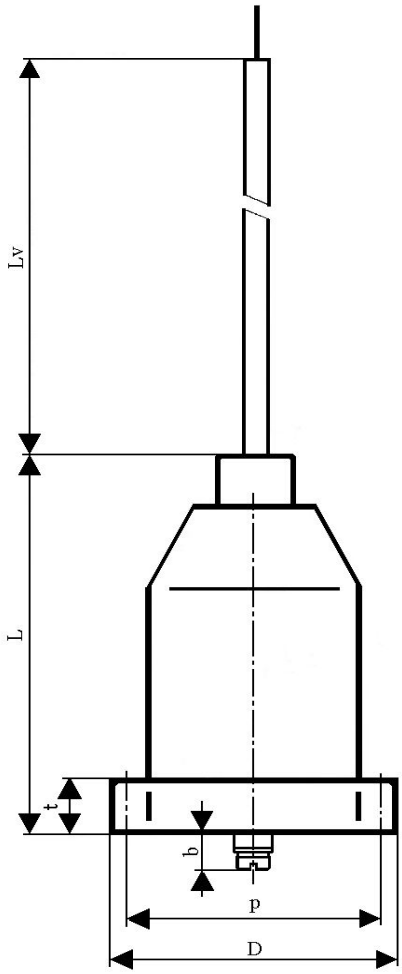
Elektronické součástky CZ, a.s.

HIGH VOLTAGE CAPACITORS MKP500-089



Construction:
Metallized polypropylene-film dielectric, non-inductive, self-healing construction
Plastic cylindrical flame retardant case, with HV cable-lead and bottom screw.
Applications:
High voltage AC applications
Technical data
Rated voltage U_R: 12 000VDC
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: 6000V 50/60Hz
Rated capacitance: 1nF
Tolerance: ±10%,
Dissipation factor Tgδ: < 0,01at 1kHz and +25°C
Insulation resistance R_{IS}: >2000MΩ
Operating temperature range: -40 ÷ +70°C
The highest permissible capacitor temperature at the hottest point of the case must not exceed +70°C.
Test voltage between terminals: 15 000VDC, 1min. at +25°C, all capacitors are tested by the routine test by the producer
Permitted over voltages in working conditions:
1,1 x U_R for 2 sec.
If the over voltages exceed the permissible values above, the capacitor might have been destroyed.
Test voltage between terminals and case:
20 000VDC, 1min. at +25°C
Max. repetitive rate of voltage rise dU/dt:
< 1Vusec at U_R and +25°C
Max. peak current I_p: < C_R x dU/dt
Related standards: IEC 60384-1
Marking for purchase ordering:
MKP500-089 1,0nF 6000V 50Hz /12kVDC

C [nF]	Dimensions [mm]					
	D	L	p	b	t	Lv
1,0	62	65	52	5	13	750

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.