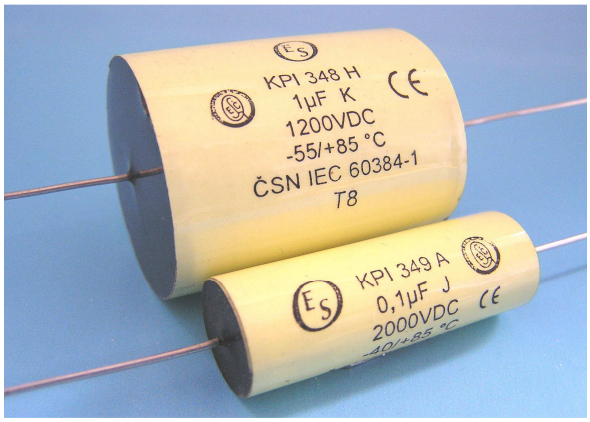
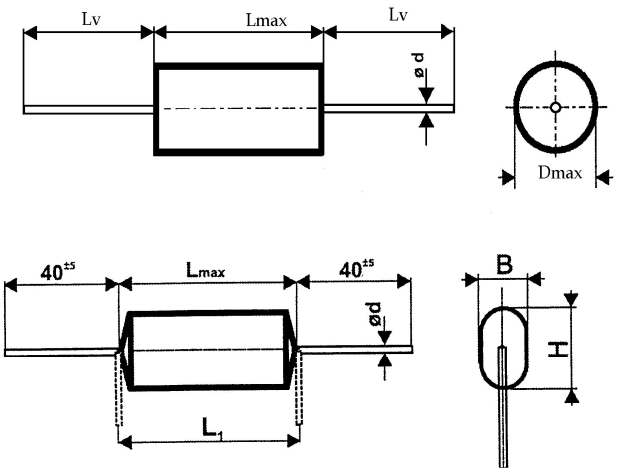
Elektronické součástky CZ, a.s.

KPI 348AH CAPACITORS FOR AC & PULSE APPLICATIONS



Informative photo



Flat construction on request available

C_R[µF]*	Dimensions +1[mm]				
	D	L	Lv	ESR[mΩ]	dU/dt [V/us]
0,68	38	42	40	3,5	2000

*Other Capacity on request

Construction:
Metal foil electrodes, polypropylene film dielectric, Non-inductive, self-healing construction,
Lv: tinned cooper wire d: 0,8 or 1mm, 40mm
Applications:
AC applications with high peak and RMS current loading, high pulse loading, High dU/dt snubber applications.
Technical data
Rated voltage U_R: 1600DC
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: 860Vac
If the working frequency is higher, the permissible AC voltage must be decreased, not to exceed the max. loss power of the capacitor.
Rated capacitance: 0,68µF
Tolerance: ±20%, ±10%, ±5%, other Tol. on request
Dissipation factor Tgδ: < 0,0006 at 1kHz and +25ºC
ESR: at 100kHz and+25ºC - see Table
Insulation resistance R_{IS}: 30 000/C [MΩ, uF] at +25ºC
Operating temperature range:
The highest permissible capacitor temperature at the hottest point of the case must not exceed +70ºC.
Max . permitted dissipation power of the capacitor: depend on the construction of the circuit and the cooling conditions of the capacitor
Test voltage between terminals: 2000VDC, 10sec. 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.
Permitted Over voltages in working conditions:
1,1 x U_R max. 10% of the service period
If the Over voltages exceed the permissible values above, the capacitor might have been destroyed.
Test voltage between terminals and case:
3000VDC, 1min. at +25ºC
Max. repetitive rate of voltage rise dU/dt:
at U_R and +25ºC – see Table
Max. peak current I_p: < C_R x dU/dt
Related standards: EN 60384-1 and EN 60384-17
Marking for purchase ordering:
KPI348AH 0,68µF±5% 1600V 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-sheet.