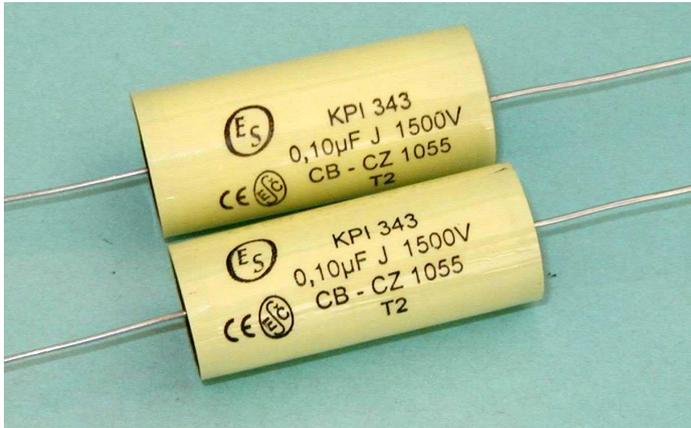


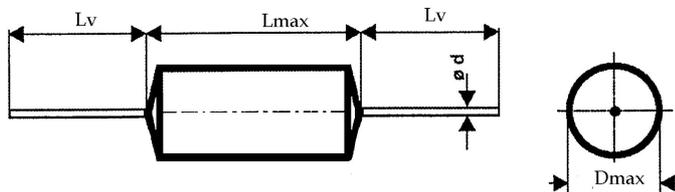


KPI 343A CAPACITORS FOR AC & PULSE APPLICATIONS



INFO

Dimensions [mm]



C _R [µF]*	Dimensions ⁺¹ [mm]			
	D	L	L _v	d
0,068	14	41	40	0,8
0,1	16	41	40	0,8
1,0	28	60	40	0,8

*Other Capacity on request

Construction:

Metal foil electrodes, polypropylene film dielectric, Non-inductive, self-healing construction, Polyester insulated flame retardant wrapped surface, epoxy resin sealed

Applications:

DC and AC applications with high peak and RMS current loading, high pulse loading, High dU/dt snubber applications.

Technical data

Rated voltage U_R: 1500DC

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: 630V 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.

Rated capacity Y: 0,068 ÷ 1,0µF, other capacity on request

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

Dissipation factor Tgδ: < 0,0004 at 1kHz and +25°C

Insulation resistance R_{is}: 30 000/C [MΩ, µF]

Operating temperature range: -40 ÷ +85°C

Max. permissible ambient temperature at the rated loading must not exceed +70°C.

Max. permitted dissipation power of the capacitor depend on the cooling conditions

Test voltage between terminals: 2000VDC, 10sec 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.

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:

3000V 50Hz, for 1min. at +25°C

Max. repetitive rate of voltage rise dU/dt:

< 1000V/µsec 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:

KPI343A 0,10µF±5% 1500V DC

Warning! The manufacturer is not responsible for any damages, caused by the improper installation and application. Before using the capacitor in any application, please, read carefully this technical data-sheet.