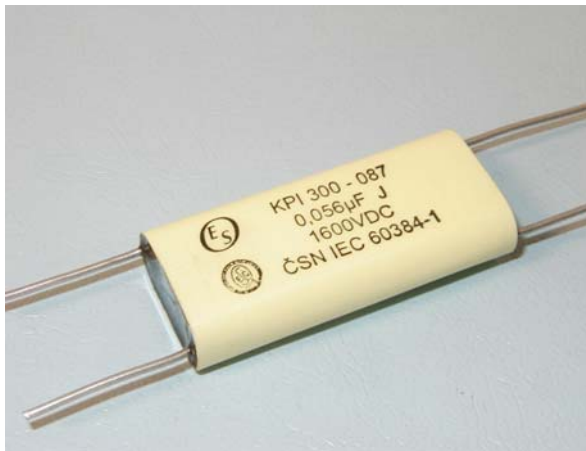


KPI 300-087 CAPACITORS FOR AC& PULSE APPLICATIONS



Capacity C _R [nF]	Dimensions [mm]				
	B	H	L	p	Lv
56	18,5	9,5	40	15	40

Other values on request

Construction:

Metallic electrodes, polypropylene film dielectric, Non-inductive, self-healing construction, Surface coating by polyester film tape wrapped, foreheads with epoxy resin sealed. Double tinned cooper leads

Applications:

DC, AC and Pulse applications

Technical data

Rated voltage U_R: 1600V DC

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: 600V 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 capacitance: 56nF

Tolerance: ±10%, ±5%,

Dissipation factor Tgδ: < 0,0006 at 1kHz and +25°C

Insulation resistance R_{IS}: >30 000/C [MΩ]

Operating temperature range: -40 ÷ +70°C

The highest permissible capacitor temperature at the hottest point of the case must not exceed +70°C.

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

Test voltage between terminals:

1,25 x U_R, 1min. 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:

3000VDC, 1min. at +25°C

Max. repetitive rate of voltage rise dU/dt:

< 10V/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:

MKPI300-087 56nF±10% 1600VDC

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.