



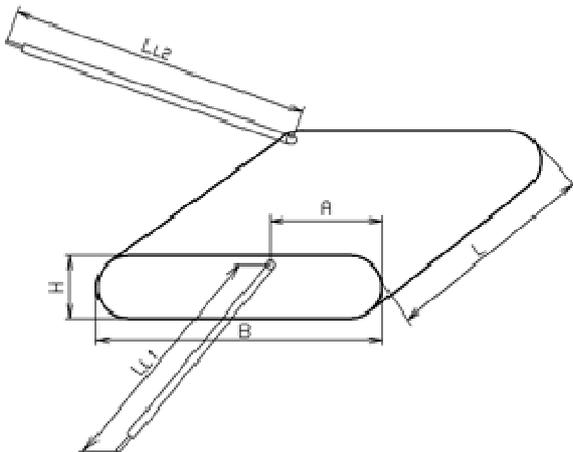
CAPACITORS FOR HIGH VOLTAGE & PULSE APPLICATIONS KT 500 – 095NN



| Capacity C_R [µF] | Dimensions [mm] | | | |
|------------------------|-----------------|-----------------|-------------|------------|
| | B | H | L | A |
| 0,33 | $64^{+0,5}$ | $14^{+0,5}$ max | $68^{+0,5}$ | 25 ± 1 |

$L_{L1} = 90^{+5}$ mm

$L_{L2} = 170^{+5}$ mm



Construction:

Metallic electrodes, Polyester-film dielectric, Non-inductive self healing construction, Special flat construction in plastic case.

Applications:

High Voltage capacitors for DC and pulse applications.

Technical data

Rated voltage U_R : 3500V DC at +100°C
2500V DC at +125°C

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: 1000V 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: 0,33 µF

Tolerance: ±10%

Dissipation factor $Tg\delta$: < 0,006 at 1kHz and +25°C

Insulation resistance R_{IS} : >10 000MΩ

Operating temperature range: -40 ÷ +125°C

The highest permissible capacitor temperature at the hottest point of the case must not exceed +125°C.

Test voltage between terminals: 4kVDC 10sec. 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 max. 10% of the service period

If the working temperature is +125°C U_R max 2500VDC

If the Over-voltages exceed the permissible values above, the capacitor might have been destroyed.

Test voltage between terminals and case:

5000VDC, 1min. at +25°C

Max. repetitive rate of voltage rise dU/dt :

< 1000V/usec at U_R and +25°C

Max. peak current I_p : < $C_R \times dU/dt$

Terminals:

stranded wire silicon 0,5mm² with the length L_{L1} and L_{L2}

Related standards: IEC 60384-1, IEC60384-2

Marking for purchase ordering:

KT500-095NN 0,33µF 10% 3500VDC

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.