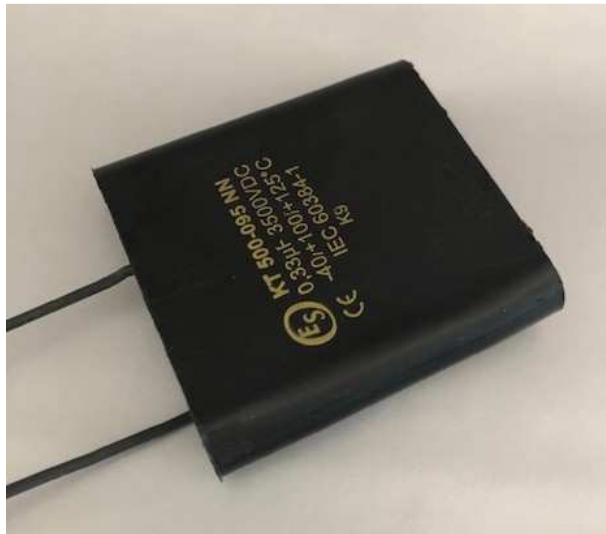


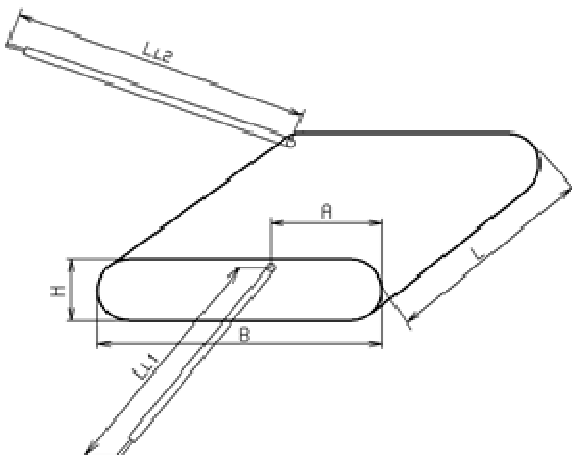
## CAPACITORS FOR HIGH VOLTAGE & PULSE APPLICATIONS KT 500 – 095NN



Capacity $C_R$ [ $\mu$ F]	Dimensions [mm]			
	B	H	L	A
0,33	$64^{+0,5}$	$14^{+0,5}$ max	$68^{+0,5}$	$25 \pm 3$

$L_{L1} = 90^{+5}$ 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  $\mu$ F

**Tolerance:**  $\pm 10\%$

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

**Insulation resistance  $R_{IS}$ :**  $> 10\ 000\ M\Omega$

**Operating temperature range:**  $-40 \div +125^\circ\text{C}$

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:

$1,1 \times U_R$  max. 10% of the service period

If the workin 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 $dU/dt$ :

$< 1000\text{V}/\text{usec}$  at  $U_R$  and +25°C

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

### Terminals:

stranded wire silicon 0,5mm<sup>2</sup> with the length  $L_{L1}$  and  $L_{L2}$

**Related standards:** IEC 60384-1, IEC60384-2

### Marking for purchase ordering:

KT500-095NN 0,33 $\mu$ F 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, pleas, read carefully this technical data-sheet.