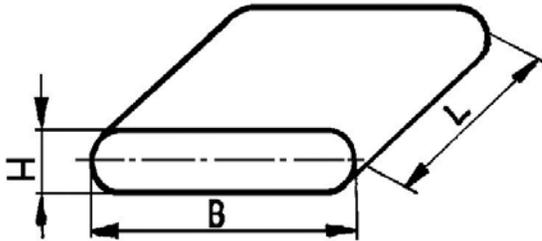


## CAPACITORS FOR HIGH VOLTAGE & PULSE APPLICATIONS KT 500 – 095



Capacity $C_R$ [µF]	Dimensions [mm]			
	B	H	L	$L_L$
0,4	60	12,5	67	$20^{+5}$
0,45	62	13	67	$20^{+5}$

### Construction:

Metallic electrodes, Polyester-film dielectric, Non-inductive self healing construction, Special flat construction with strip-contact and polyester tape surface coating

### 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:** 0,3 – 0,5µF

**Tolerance:** ±10%

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

**Insulation resistance  $R_{IS}$ :** >10 000/C [MΩ]

**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:**  $1,25 \times U_R$ , 1min. 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 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:** Cooper – strips with the length  $L_L$ , other terminals on request

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

**Marking for purchase ordering:**

KT500-095 0,4µF 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.