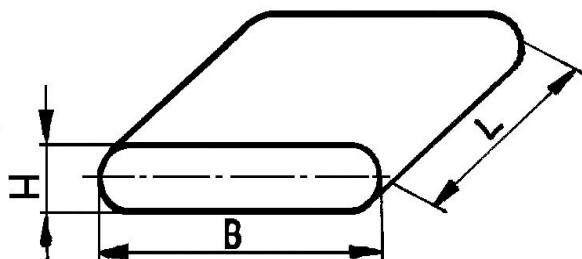
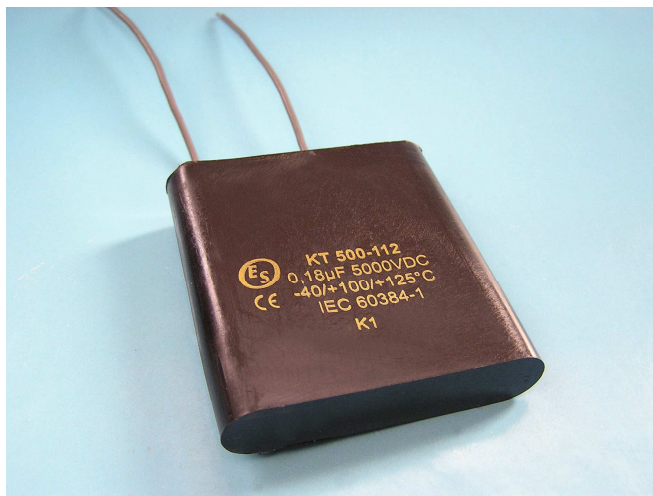


CAPACITORS FOR HIGH VOLTAGE & PULSE APPLICATIONS KT 500 – 112



Capacity C_R [μF]	Dimensions [mm]			
	B	H	L	L_L
0,18	63	$13^{+0,5}$ max	67	

Construction:

Metallic electrodes, Polyester-film dielectric, Non-inductive self healing construction,
Special flat construction with stranded wire outlets

Applications:

High Voltage capacitors for DC and pulse applications.

Technical data

Rated voltage U_R : 5000V DC at +100°C
4000V 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: 1700V 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: 0,18 μF

Tolerance: -0 ÷ +10%

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

Insulation resistance R_{IS} : >10 000M Ω

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: 5,5kVDC 10sec /+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 workin temperature is +125°C U_R max 4000VDC

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

Test voltage between terminals and case:

6000VDC, 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 x 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:

KT500-112 0,18 μF 5000VDC

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.