



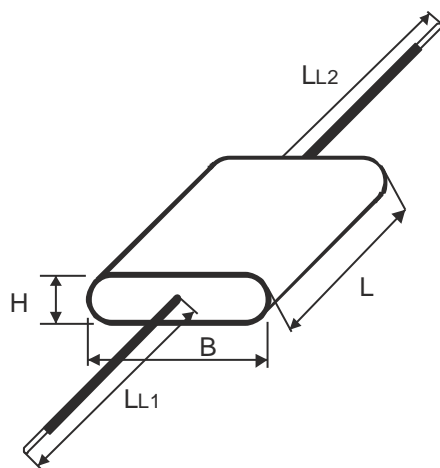
CAPACITORS FOR HIGH VOLTAGE & PULSE APPLICATIONS KPI 313PB



| Capacity C_R [μ F] | Dimensions [mm] | | | |
|------------------------------|-----------------|-------------------------|-------------|--|
| | B | H | L | |
| 0,01 | $24^{+0,5}$ | $9^{+0,5}_{\text{max}}$ | $68^{+0,5}$ | |

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

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



Construction:

Metallic electrodes, polypropylen-film dielectric, non-inductive self healing construction, special flat construction, surface coating by polyester film tape wrapped, epoxy resin sealed.

Terminals:

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

Applications:

High Voltage capacitors for DC and pulse applications.

Technical data

Rated voltage U_R : 6000V DC at +85°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: 0,01 μ F

Tolerance: $\pm 10\%$

Dissipation factor $Tg\delta$: $< 0,0005$ at 1kHz and +25°C

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

Operating temperature range: -40 \div +85°C

The highest permissible capacitor temperature at the hottest point of the case must not exceed +100°C.

Test voltage between terminals: 6kVDC 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 working temperature is +100°C U_R max 6000VDC

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

Max. repetitive rate of voltage rise dU/dt :

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

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

Related standards: IEC 60384-1

Marking for purchase ordering:

KPI 313PB 0,01 μ F 10% 2500VDC

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.