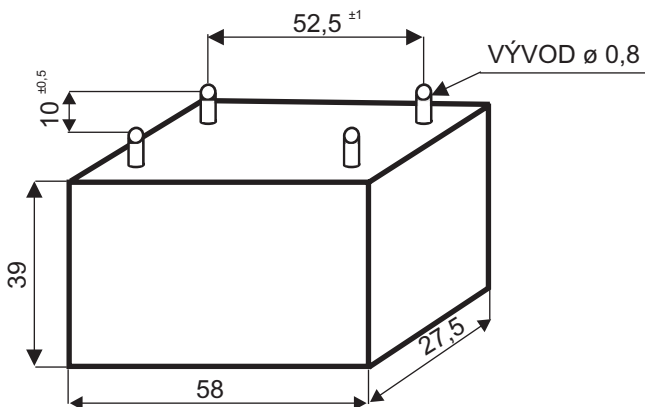
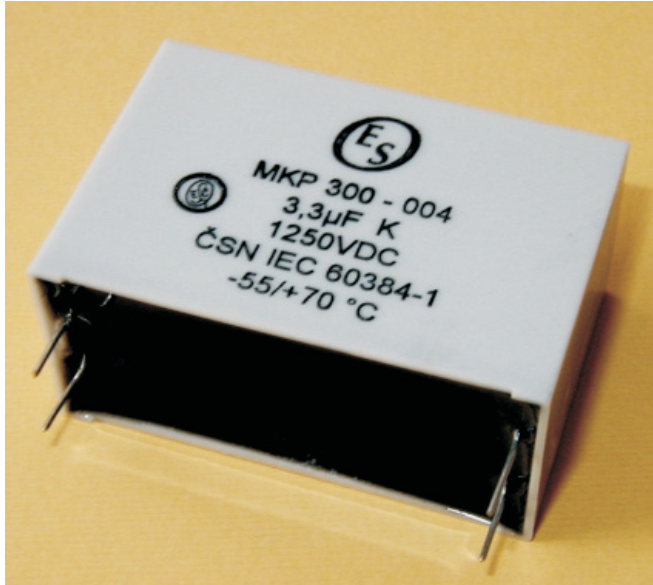


Special capacitors

MKP 300-004



Capacit. C_R [μF]	U_R [DC]	Dimension [mm]			
		B	H	L	p
3,3	1250	27,5	39	58	52,5 x 10

Construction:

Metallized polypropylene film, Non-inductive, self-healing construction. Plastic prismatic flame retardant case.

Applications:

All DC and AC applications

Technical data

Rated voltage U_R : 1250 VDC

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:

If the working frequency is higher, the permissible AC voltage must be decreased, not to exceed the max. loss power of the capacitor.

$$\text{Max. } U_{AC(f)} = \sqrt{\frac{P_L}{2\pi f C_R \times \text{tg}\delta}}$$

Rated capacitance: 3,3 μF

Tolerance: 10%, 5%

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

Insulation resistance R_{iS} : >30 000 [M Ω]

Operating temperature range: -55 ÷ +85°C

The highest permissible capacitor temperature at the hottest point of the case must not exceed +85°C.

Max. permitted dissipation power of the capacitor P_L : depend on the cooling conditions 2,5W.

Test voltage between terminals: $1,6 \times U_R$, 1min. at +25°C

All capacitors are tested by the routine test by the manufacturer

Protection against Overvoltages:

The capacitors are self-healing and regenerate themselves after occasional breakdowns. The capacitor remains fully functional after the breakdown.

Permitted Overvoltages in working conditions:

$1,25 \times U_R$ max. 1min./day

If the Overvoltages exceed the permissible values above, the capacitor might have been destroyed.

Test voltage between terminals and case:

3000VDC, 1min. at +25°C

Max. repetitive rate of voltage rise dU/dt :

< 100V/ μsec at U_R and +25°C

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

Terminals: dual tinned wire

Related standards: IEC 60384-1

Marking for purchase ordering: MKP 300-004

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.