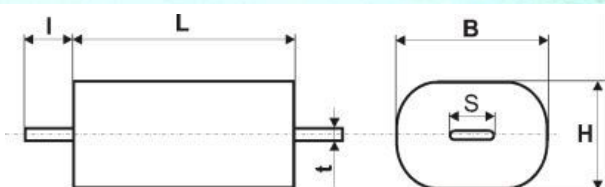
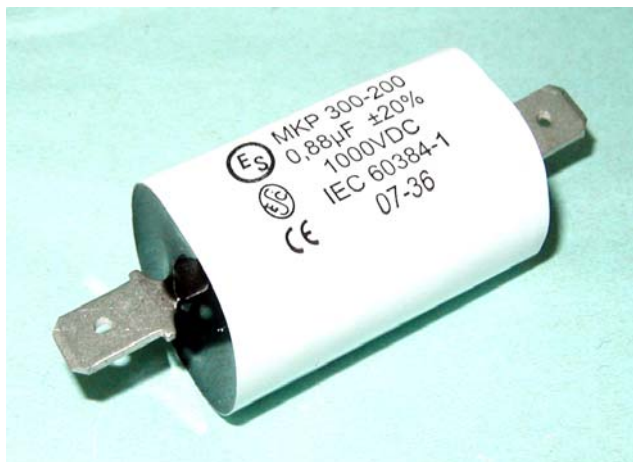


**MKP 300-200 CAPACITORS FOR AC AND PULSE LOADING**



Capacit. C <sub>R</sub> [µF]	Dimensions [mm]					
	B	H	L	t	s	l
0,88	15	22	35 <sup>+1</sup>	0,8	6,3	10 <sup>+1</sup>

Other Capacitance on request

**Construction:**

Metalized electrodes, polypropylene film dielectric, Non-inductive, self-healing construction, Plastic oval flame retardant case, with FAST-ON's Leads, other construction on request

**Applications:**

High pulse loading, high current and other AC applications

**Technical data**

**Rated voltage U<sub>R</sub>:** 1000V DC

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<sub>AC</sub>, the sum of DC and the amplitude of AC must not exceed the U<sub>R</sub>

**Max permissible AC voltage:** 430V<sub>RMS</sub> at 100kHz, If the working frequency is higher, the permissible AC voltage must be decreased, not to exceed the max. loss power of the capacitor.

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

**Rated capacitance:** 0,88µF, other capacity on request

**Tolerance:** ±20%, ±10%,

**Dissipation factor Tgδ:** < 0,0006 at 1kHz and +25°C

**Insulation resistance R<sub>IS</sub>:** > 10000 [MΩ]

**Operating temperature range:** -20 ÷ +70°C

The highest permissible capacitor temperature at the hottest point of the case must not exceed +70°C.

**Max . permitted dissipation power of the capacitor :** depend on the cooling conditions

**Test voltage between terminals:** 1,25 x U<sub>R</sub>, 1min. at +25°C, All capacitors are tested by the routine test by the producer

**Protection against Over-voltages:**

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

**Permitted Over-voltages in working conditions:**

1,1 x U<sub>R</sub> 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:**

3000VDC, 1min. at +25°C

**Max. repetitive rate of voltage rise dU/dt:**

< 400V/µsec at U<sub>R</sub> and +25°C, 10 000cycles

**Max. peak current I<sub>p</sub>:** < 350A

**RMS Current:** 8A<sub>RMS</sub>

**Terminals:** FAST-ON

**Related standards:** IEC 60384-1

**Marking for purchase ordering:**

MKP300-200 0,88µF±20% 1000VDC/430VAC

**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.