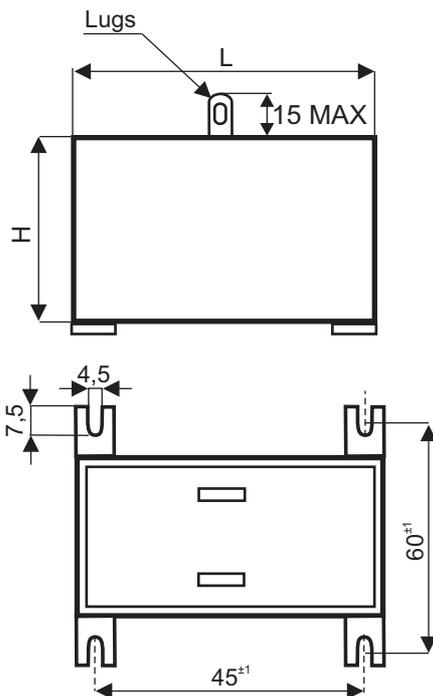
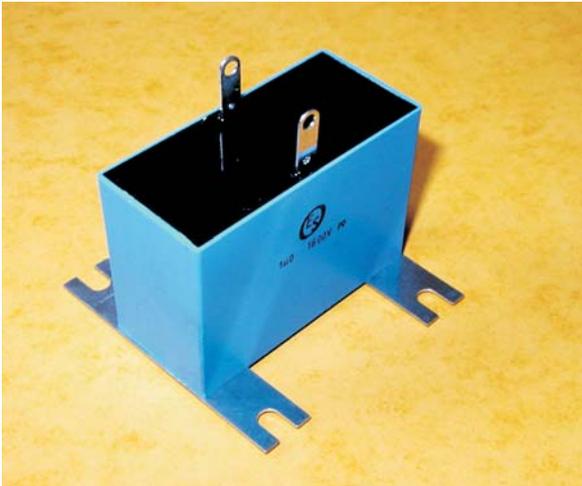


MKT Capacitors

MKT 200-026



Capacit. C_R (μF)	Dimension [mm]			
	B	H	L	
0,5	21	30	42,5	single bottom bracked
1,0	28	40	58,5	dual bottom bracked
1,5	35	40	65	
2,0	35	50	70	

Construction:

Metallized polyester film, Non-inductive, self-healing construction. Plastic flame retardant case, with bottom bracket available

Applications:

Filtering, smoothing, all other DC applications

Technical data

Rated voltage U_R : 1600V 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_{AC} , the sum of DC and the amplitude of AC must not exceed the U_R

Max permissible AC voltage: 400V 50Hz,
 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: 0,5 - 2 μF , other capacitance on request

Tolerance: 10%, 5%

Dissipation factor $\text{Tg}\delta$: < 0,01 at 100Hz and +25°C

Insulation resistance R_{is} : >10 000/C [M Ω]

Operating temperature range: -40 ÷ +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 construction of the capacitor and the cooling conditions, see table.

Test voltage between terminals: 1,25 × 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:

1,10 × U_R max. 30% of the service period

1,15 × U_R max. 30min./day

1,20 × U_R max. 5min./day

1,30 × 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 :

< 10V/ μsec at U_R and +25°C

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

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

Marking for purchase ordering: MKT 200-026

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.