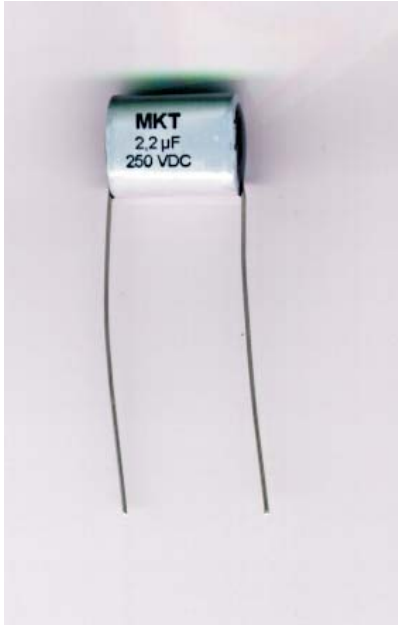


# Special MKT capacitors

## MKT 200 - 019



### Construction of capacitors:

Metallized polyester film capacitors, noninductive construction, self-healing ability, radial leads.  
 Coating: by shrinkable tube, the foreheads of capacitors are epoxy resin sealed.  
 Leads: tinned cooper wire.

### Typical applications:

These capacitors are for DC voltage applications, but it is also possible to apply in AC voltage circuits if the sum of the DC voltage and the amplitude of AC voltage does not accross the limit of the  $U_R$ .  
 These capacitors are not suitable for the accross the line applications.

Reference standards: EN 130 000, IEC 384-2, IEC 60384-2-1

**Capacitance:** 2,2  $\mu$ F

**Tolerance of capacitance:**  $\pm 10\%$ , other values on request

**Rated voltage:** 100 V, 200 V, 250 VDC

**Climatic category:** 55/100/56 (IEC 60068-1)

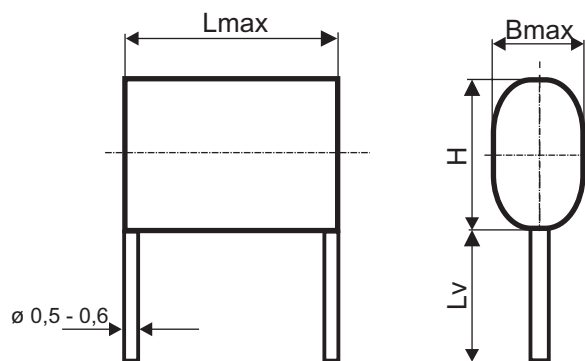
**Dissipation factor tg $\delta$**  at + 20°C a f = 1 kHz < 0,01

**Permissible pulse loading:** dU/dt [V/ $\mu$ s] < 5V/ $\mu$ sec

**Max. permissible working voltage  $U_p$**  depending on ambient temperature  
 $U_p = U_R$  till  $T_a = +85^\circ\text{C}$ ,  $+85^\circ\text{C} \leq T_a < 100^\circ\text{C}$  the permissible working voltage  
 $U_p$  for temperature decrease of 1,25 % /°C at +100°C  $U_p = 0,8 U_R$   
 +100°C is the highest permissible temperature on the surface of the capacitors.

**Insulation resistance** at + 20°C a 100 VDC after 1 min  
 charging  $\geq 10\ 000\ \text{M}\Omega$

**Test voltage between terminals:**  $U_T = 1,4 \times U_R$  applied for 2 sec,  
 must not get to permanent breakdown



$U_R$ [VDC]	Dimensions [mm]		
	B	H	L
100	7	12	17
200	8	12	17
250	8,5	12,5	17