

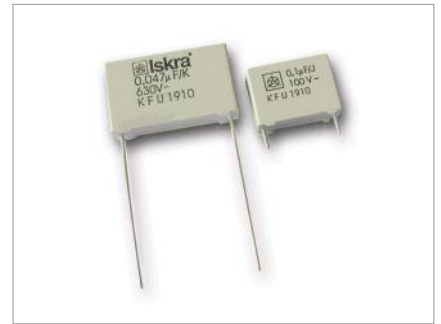
## Capacitors

Type KFU1910 radial leads, pitch 10 mm to 27,5 mm

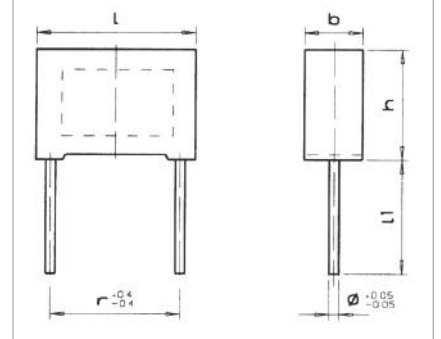
### TECHNICAL DATA

#### General technical data

Dielectric:	polyester (polyethyleneterephthalate) film
Electrodes:	tin or aluminium foil
Winding:	non-inductive construction, flat shape
Leads:	tinned copper wire; standard lengths $l_1$ : $4^{\pm 0,5}$ ; $6^{-1}$ ; $25^{\pm 5}$ . Other lead lengths on request.
Encapsulation:	flame-retardant plastic case with flame-retardant epoxy resin seal, UL 94 V-0
Marking:	Iskra symbol, capacitance, tolerance, rated voltage
Climatic category:	55/100/56, IEC 60068-1
Temperature range:	- 55 °C to + 100 °C
Complies with standards:	IEC 60384-11
<b>Electrical data</b>	
Capacitance range:	1000 pF to 1 $\mu$ F
Standard values of capacitance ( $C_R$ ):	range E6
Capacitance tolerance:	$\pm 20\%$ (M), $\pm 10\%$ (K)
Rated voltage ( $U_R$ ):	100 V DC, 250 V DC, 400 V DC, 630 V DC, 1000 V DC
Allowed alternative voltage up 60 Hz:	63 V AC, 100 V AC, 160 V AC, 200 V AC, 250 V AC
Category voltage ( $U_C$ ):	to + 85 °C $U_C = U_R$ ; from + 85 °C to + 100 °C voltage $U_R$ is lowered for 1,25 % per 1 °C
Test voltage:	$2 \times U_R$ , 2 s
Dissipation factor ( $\tan\delta$ ):	$\leq 60 \times 10^{-4}$ at 1 kHz at 20 °C
Insulation resistance ( $R_i$ ):	$\geq 30\,000\text{ M}\Omega$ for $C_R \leq 0,33\ \mu\text{F}$ ; $R_i \times C_R \geq 10\,000\text{ s}$ , for $C_R > 0,33\ \mu\text{F}$
Self inductance:	appr. 10 nH/cm length of capacitor and leads
Soldering on printed circuit boards:	temperature of soldering bath 265 °C max., soldering time 5 s max.
Pulse loading ( $du/dt$ ):	1000 V/ $\mu$ s



#### Dimensions in mm



#### Diameter of leads:

Pitch $r$ (mm)	Diameter of leads $\phi$ (mm)
10	0,6
15; 22,5; 27,5	0,8

Dimensional data: KFJ1910

Capacitance	Rated voltage $U_R$																			
	100 V DC				250 V DC				400 V DC				630 V DC				1000 V DC			
	$l_{max}$	$h_{max}$	$b_{max}$	$r$	$l_{max}$	$h_{max}$	$b_{max}$	$r$	$l_{max}$	$h_{max}$	$b_{max}$	$r$	$l_{max}$	$h_{max}$	$b_{max}$	$r$	$l_{max}$	$h_{max}$	$b_{max}$	$r$
	(mm)				(mm)				(mm)				(mm)				(mm)			
1000 pF													13	9,5	4,3	10	18	11	5,5	15
1500 pF													13	9,5	4,3	10	18	11	5,5	15
2200 pF													13	9,5	4,3	10	18	11	5,5	15
3300 pF													13	9,5	4,3	10	18	13	7	15
4700 pF									13	9,5	4,3	10	13	10,5	5	10	18	13	7	15
6800 pF									13	9,5	4,3	10	13	11,5	6	10	18	14,5	9	15
0,01 $\mu$ F									13	10,5	5	10	13	11,5	6	10	18	14,5	9	15
0,015 $\mu$ F					13	10,5	5	10	13	11,5	6	10	18	13	7	15	27	16,5	7	22,5
0,022 $\mu$ F	13	9,5	4,3	10	13	10,5	5	10	18	11	5,5	15	18	13	7	15	27	18,5	8,5	22,5
0,033 $\mu$ F	13	10,5	5	10	18	11	5,5	15	18	13	7	15	18	14,5	9	15	27	19	10,5	22,5
0,047 $\mu$ F	13	11,5	6	10	18	11	5,5	15	18	14,5	9	15	27	15	6,5	22,5	32	20	11	27,5
0,068 $\mu$ F	18	11	5,5	15	18	13	7	15	27	15	6,5	22,5	27	18,5	8,5	22,5	32	22,5	13	27,5
0,1 $\mu$ F	18	13	7	15	18	14,5	9	15	27	18,5	8,5	22,5	27	19	10,5	22,5				
0,15 $\mu$ F	18	14,5	9	15	27	16,5	7	22,5	27	19	10,5	22,5	32	20	11	27,5				
0,22 $\mu$ F	18	14,5	9	15	27	18,5	8,5	22,5	32	20	11	27,5	32	22,5	13	27,5				
0,33 $\mu$ F	27	18,5	8,5	22,5	32	20	11	27,5	32	22,5	13	27,5								
0,47 $\mu$ F	27	19	10,5	22,5	32	22,5	13	27,5												
0,68 $\mu$ F	32	20	11	27,5																
0,82 $\mu$ F	32	20	11	27,5																
1 $\mu$ F	32	22,5	13	27,5																