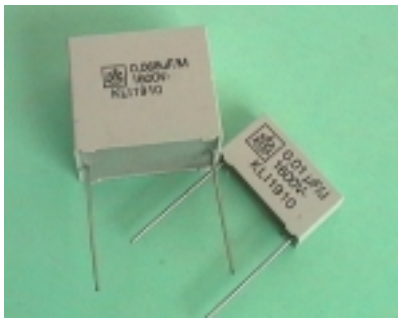
Capacitors: **Type KLI 1910** **radial leads, pitch 15mm to 27.5mm**

pulse type

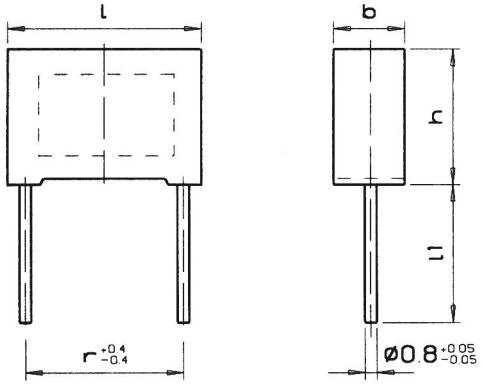


Technical data

General technical data

Dielectric:	polypropylene film
Electrodes:	aluminium foil and metallized polypropylene film
Winding:	non-inductive construction, internal series connection, flat shape
Leads:	tinned copper wire, standard lengths l_1: $4^{\pm0.5}$; 6^{-1}; $25^{\pm5}$. Other lead lengths on request.
Encapsulation:	flame-retardant plastic case with flame-retardant epoxy resin seal, UL94 V-0, resistant to wash in hallogenated solvents
Marking:	Iskra symbol, capacitance, tolerance, rated voltage, type designation
Climatic category:	55/100/56 IEC 68-1
Temperature range:	-55^0C to + 100^0C
Complies with standard:	IEC 384-16

Dimensions in mm



Electrical data

Capacitance range:	1000 pF to 0.22 µF
Standard values of capacitance (C_R) :	range E12
Capacitance tolerance:	±20 % (M), ±10% (K), and ±5% (J) on special request
Rated voltage (U_R) :	630 V DC, 1000 V DC, 1600 V DC, 2000 V DC
Allowed alternative voltage up to 60 Hz:	300 V AC, 400 V AC, 500 V AC, 600 V AC
Category voltage (U_C) :	up to +85^{0}C $U_C = U_R$; from +85^{0}C to +100^{0}C voltage U_R is lowered for 1.35% per 1^{0}C
Test voltage:	1.6 x U_R, 2 s
Insulation resistance (R_i) :	≥ 100 GΩ
Self inductance:	appr. 10 nH/cm length of capacitors and leads
Soldering on printed circuit boards:	temperature of soldering bath 270^{0}C max., soldering time 5 s max.

Dissipation factor (tan δ):

	$C_R \leq 0.1$ µF	$C_R > 1$ µF
f = 1 kHz	≤ 5 x 10^{-4}	≤ 5 x 10^{-4}
f = 10 kHz	≤ 10 x 10^{-4}	≤ 10 x 10^{-4}
f =100 kHz	≤ 20 x 10^{-4}	-

Pulse loading (du/dt):

U_R	Pitch r (mm)		
	15	22.5	27.5
	Allowed pulse loading (V/µs)		
630 V DC	8000	3500	2700
1000 V DC	10900	4700	3600
1600 V DC	16400	8200	6100
2000 V DC	20500	10200	7700

KLI 1910

Dimensional dala:

Capa-citance	Rated voltage U_R															
	630 V DC				1000 V DC				1600 V DC				2000 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
(µF)	(mm)				(mm)				(mm)				(mm)			
0.001					18	11	5	15	18	11	5	15	18	11	5	15
0.0012					18	11	5	15	18	11	5	15	18	11	5	15
0.0015					18	11	5.5	15	18	11	5.5	15	18	11	5.5	15
0.0018					18	11	5.5	15	18	11	5.5	15	18	11	5.5	15
0.0022					18	11	5.5	15	18	11	5.5	15	18	11	5.5	15
0.0027					18	11	5.5	15	18	11	5.5	15	18	12	6	15
0.0033	18	11	5.5	15	18	11	5.5	15	18	11	5.5	15	18	13	7	15
0.0039	18	11	5.5	15	18	11	5.5	15	18	12	6	15	18	13	7	15
0.0047	18	11	5.5	15	18	11	5.5	15	18	13	7	15	18	14.5	8.5	15
0.0056	18	11	5.5	15	18	11	5.5	15	18	13	7	15	18	14.5	9	15
0.0068	18	11	5.5	15	18	12	6	15	18	14.5	8.5	15	26.5	15	6	22.5
0.0082	18	11	5.5	15	18	13	7	15	18	14.5	9	15	26.5	16	7	22.5
0.01	18	11	5.5	15	18	13	7	15	26.5	15	6	22.5	26.5	16.5	7.5	22.5
0.012	18	12	6	15	18	14.5	8.5	15	26.5	16	7	22.5	26.5	17	8.5	22.5
0.015	18	13	7	15	18	14.5	9	15	26.5	16.5	7.5	22.5	26.5	18.5	9	22.5
0.018	18	14.5	8.5	15	18	16.5	8.5	15	26.5	17	8.5	22.5	26.5	20.5	11	22.5
0.022	18	14.5	9	15	26.5	15	6	22.5	26.5	18.5	9	22.5	31.5	19	10	27.5
0.027	18	16.5	8.5	15	26.5	16	7	22.5	26.5	20.5	11	22.5	31.5	21	12	27.5
0.033	26	15	6	22.5	26.5	16	7	22.5	31.5	19	10	27.5	31.5	21	12	27.5
0.039	26.5	15	6	22.5	26.5	17	8.5	22.5	31.5	21	12	27.5	31.5	23.5	14	27.5
0.047	26.5	16	7	22.5	26.5	18.5	9	22.5	31.5	21	12	27.5	31.5	26.5	17	27.5
0.056	26.5	16.5	7.5	22.5	26.5	18.5	10	22.5	31.5	23.5	14	27.5				
0.068	26.5	17	8.5	22.5	26.5	20.5	11	22.5	31.5	26.5	17	27.5				
0.082	26.5	18.5	10	22.5	31.5	19	10	27.5	31.5	26.5	17	27.5				
0.1	26.5	20.5	11	22.5	31.5	21	12	27.5	32	28	18	27.5				
0.12	31.5	19	10	27.5	31.5	21	12	27.5								
0.15	31.5	21	12	27.5	31.5	23.5	14	27.5								
0.18	31.5	21	12	27.5	31.5	26.5	17	27.5								
0.22	31.5	23.5	14	27.5	31.5	26.5	17	27.5								

Taped version details data see page 11