

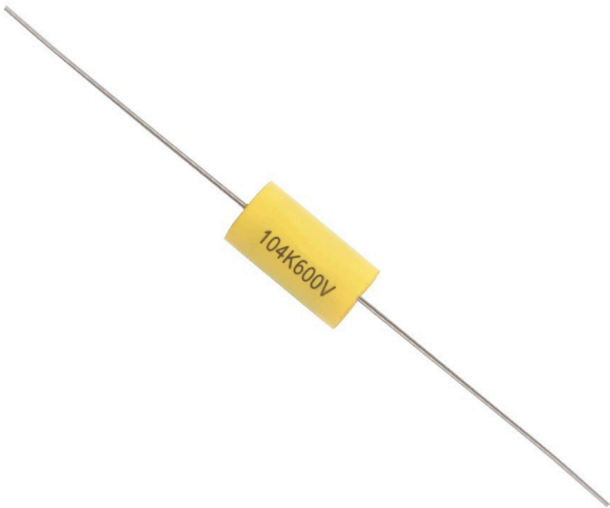
Metallized Polyester Film Capacitor Axial Type-CL20

Features

- Non-inductive structure, down-leads axially and horizontally.
- Wide capacitance range, small size.
- Long life due to self-healing effect.
- Suitable for block, by-pass and coupling of DC and signals to VHF range.
- Widely used in filter, noise suppression and low pulse circuits.

Configuration

Non-inductive, wound with metallized polyester film as dielectric and electrode, copper-clad steel leads or flexible cord, and outer wrapped with polyester and sealed with epoxy resin.



Specifications & Outline Drawing

Reference Standard	GB 7334-87		
Climatic Category	40/85/21		
Rated Voltage	100/160V, 250V, 400V,630V,1000V,1200V		
Capacitance Range	0. 01~30.0μF		
Capacitance Tolerance	±5%(J), ±10%(K), ±20%(M)		
Voltage Proof	1.6U _r (5 S)		
Dissipation Factor	≤1.0%(20℃ , 1KHz)		
Insulation Resistance	≥7500MΩ (C _r ≤0.33μF) ≥2500s (C _r > 0.33μF)	(20℃ , 1min)	

Dimensions

CAP UF	100/160VDC		250VDC		400VDC		630VDC		1000VDC	
	Dmax	Lmax	Dmax	Lmax	Dmax	Lmax	Dmax	Lmax	Dmax	Lmax
0.0010	5.0	13.0	5.0	13.0	5.0	13.0	5.0	13.0	6.5	16.5
0.0015	5.0	13.0	5.0	13.0	5.0	13.0	5.0	13.0	6.5	16.5
0.0022	5.0	13.0	5.0	13.0	5.0	13.0	5.5	13.0	6.5	16.5
0.0033	5.0	13.0	5.0	13.0	5.0	13.0	5.0	13.0	6.5	16.5
0.0047	5.0	13.0	5.0	13.0	5.0	13.0	5.5	13.0	8.0	16.5
0.0068	5.0	13.0	5.0	13.0	5.0	13.0	6.0	13.0	9.5	16.5
0.010	5.0	13.0	5.0	13.0	5.0	13.0	6.0	16.5	7.5	20.5
0.015	5.0	13.0	5.0	13.0	5.0	13.0	6.5	16.5	8.5	20.5
0.022	5.0	13.0	5.5	13.0	5.5	16.5	7.0	16.5	9.5	20.5
0.033	5.0	13.0	5.5	13.0	5.5	16.5	6.5	20.5	8.5	28.0
0.047	5.0	13.0	5.5	13.0	6.0	16.5	7.5	20.5	9.5	28.0
0.068	5.0	13.0	5.5	16.5	6.5	16.5	8.5	20.5	11.0	28.0
0.10	5.5	13.0	6.0	16.5	6.5	20.5	8.0	28.0	13.0	33.0
0.15	6.0	16.5	6.5	16.5	6.5	20.5	9.0	28.0	14.0	33.0
0.22	6.5	16.5	7.0	16.5	7.0	20.5	11.0	28.0	16.0	33.0
0.33	7.5	16.5	7.0	20.5	9.0	28.0	11.5	33.0	19.0	33.0
0.47	8.5	16.5	8.5	20.5	10.0	28.0	13.5	33.0	22.0	33.0
0.68	8.5	20.5	9.0	28.0	11.0	33.0	15.5	33.0		
1.0	10.0	20.5	9.5	28.0	13.0	33.0	19.0	33.0		
1.5	10.0	28.0	11.0	28.0	14.5	33.0	21.0	33.0		
2.2	11.5	28.0	13.0	33.0	17.5	33.0	25.0	33.0		
3.3	13.5	28.0	14.0	33.0	20.5	33.0				
4.7	15.0	33.0	16.5	33.0	24.0	33.0				
6.8	17.5	33.0	19.5	33.0						
10	20.5	33.0	22.0	39.0						

The above dimensions are subject to change without notice.

Actual Dimensions of CL20 MET Tubular Axial Film Capacitors							
for Inventory of JustRadios listed on Digikey							
(Authorized Dealer)							
Part #	Volts DC	uF Size	Tolerance	Body	Body	Lead	Lead
				Length	Diameter	Length	Diameter
102K630V	630 Volts	0.001uF	10%	14.5	7.5	46	0.8
502K630V	630 Volts	0.005uF	10%	14.5	7.5	46	0.6
103K630V	630 Volts	0.01uF	10%	14.5	7.5	46	0.6
203K630V	630 Volts	0.02uF	10%	14.5	8.0	46	0.6
503K630V	630 Volts	0.05uF	10%	14.5	8.5	46	0.6
104K630V	630 Volts	0.1uF	10%	17.5	10.0	46	0.8
254K630V	630 Volts	0.25uF	10%	24.5	11.0	46	0.8
504K630V	630 Volts	0.5uF	10%	24.5	15.0	46	0.8
All of the above body measurements and lead lengths are in mm and are +/- 1mm.							
The above prepared by D. Cantelon of JustRadios (May 2025)							