CL21B Box Type Metallized Polyester Film Capacitor

FEATURES

Non-inductive, plastic case and epoxy resin.

Box type provides the identical outer appearance.

High reliability.

SPECIFICATIONS

Reference Standard	GB7332 (IEC 60384-2)
Operating Temperature	-40℃~ +105℃ (-40 ℃~ +125℃ on request, pls contact sales)
Climatic Category	40/85/21
Rated Voltage	63V, 100V, 160V, 250V, 400V, 630V.DC
Capacitance Range	0.001 ~ 2.2μF
Capacitance Tolerance	±5%, ±10%, ±20%
Voltage Proof	1.6U_R (5s)

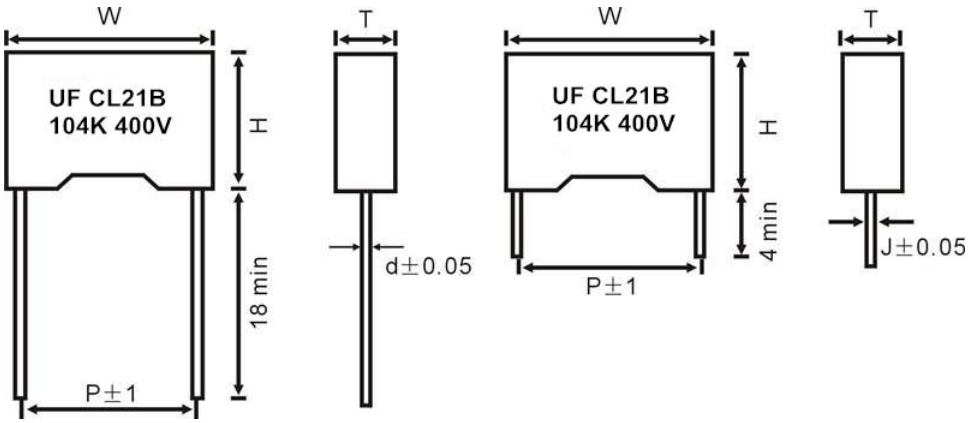
Insulation Resistance

U_R>100V	≥7500MΩ, C_R≤0.33μF	(20℃, 100V, 1min)
	≥2500s, C_R>0.33μF	
U_R≤100V	≥3750MΩ, C_R≤0.33μF	(20℃, 10V, 1min)
	≥1250s, C_R>0.33μF	

Dissipation Factor

Frequency	C_R≤0.1μF	C_R>0.1μF
1KHz	≤1.0%	≤1.0%

DRAWING



How to order

CL21B	F	104	K	0250	0100	B	000
Type	**Material Code**	**Capacitance Code**	**Tolerance**	**Rated Voltage**	**Size Code**	**Package Code**	**Suffix Indicate Special Requirement**
CL21B CL21B	**F: Plastic Film Cap** For CL21B	**pF Code: 1st two digits** represent significant figures 3rd digit represents multiplier (number of zeros to follow) 105 = 1uF 104 = 0.1uF 103 = 0.01uF	J: +/-5% K: +/-10%	**For DC Voltage** 0100: 100VDC 0250: 250VDC 0400: 400VDC 0630: 630VDC	**Code for Pitch Size** 0100: pitch size 10mm 0150: pitch size 15mm 0200: pitch size 20mm 0225: pitch size 22.5mm 0275: pitch size 27.5mm	**B: Bulk** **A: Ammo Taped**	**000: Indicating Standard** **If for cut leads or long leads:** 000: mean standard LL 035: cut leads to 3.5mm 040: cut leads to 4mm 250: 25mm long leads

CL21B Box Type Metallized Polyester Film Capacitor

Dimensions (mm)

P:7.5

(Pitch Size) P	7.5
(Lead Wire Dia.) d±0.05	0.6
(Dimension Tolerance: W, H, T)	W ±0.5, H±0.5, T±0.5

VDC	63VDC				100VDC				250VDC				400VDC			
Mfd	W	H	T	P	W	H	T	P	W	H	T	P	W	H	T	P
0.0033	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0.0047	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0.0068	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0.010	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0.015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0.022	--	--	--	--	--	--	--	--	--	--	--	--	10.0	9.0	4.0	7.5
0.033	--	--	--	--	--	--	--	--	10.0	9.0	4.0	7.5	10.0	9.0	4.0	7.5
0.047	--	--	--	--	--	--	--	--	10.0	9.0	4.0	7.5	10.0	9.0	4.0	7.5
0.068	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0.10	--	--	--	--	10.0	9.0	4.0	7.5	10.0	9.0	4.0	7.5	10.0	11.0	5.0	7.5
0.15	--	--	--	--	10.0	9.0	4.0	7.5	10.0	11.5	6.0	7.5	--	--	--	--
0.22	10.0	9.0	4.0	7.5	10.0	9.0	4.0	7.5	10.0	15.0	8.0	7.5	--	--	--	--
0.33	10.0	11.0	5.0	7.5	10.0	11.0.	5.0	7.5	--	--	--	--	--	--	--	--
0.47	10.0	11.5	6.0	7.5	10.0	11.5	6.0	7.5	--	--	--	--	--	--	--	--
0.68	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1.0	10.0	15.0	8.0	7.5	--	--	--	--	--	--	--	--	--	--	--	--

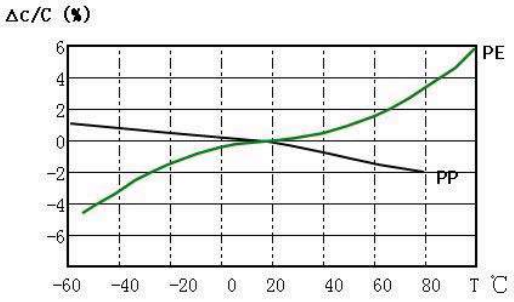
P=10.0, 15.0

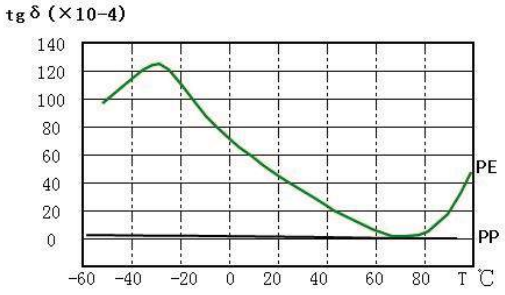
(Pitch Size) P	10.0	15.0	
(Lead Wire Dia.) d±0.05	0.6	T≤6, d:0.6	T>6, d:0.8
(Dimension Tolerance: W, H, T)	W ±0.5, H±0.5, T±0.5		

VDC	63VDC				100VDC				160VDC				250VDC				400VDC				630VDC			
Mfd	W	H	T	P	W	H	T	P	W	H	T	P	W	H	T	P	W	H	T	P	W	H	T	P
0.0047	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0
0.0068	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0
0.01	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	13.0	11.0	5.0	10.0	13.0	9.0	4.0	10.0
0.015	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0
0.022	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0
0.033	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0
0.033	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	18.0	11.0	5.0	15.0
0.047	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	13.0	11.0	5.0	10.0	18.0	11.0	5.0	15.0	18.0	11.0	5.0	15.0
0.068	13.0	11.0	5.0	10.0	13.0	11.0	5.0	10.0	13.0	11.0	5.0	10.0	13.0	12.0	6.0	10.0	18.0	11.0	5.0	15.0	18.0	11.0	5.0	15.0
0.10	13.0	11.0	5.0	10.0	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	18.0	11.0	5.0	15.0	18.0	11.0	5.0	15.0	18.0	12.0	6.0	15.0
0.15	13.0	11.0	5.0	10.0	13.0	9.0	4.0	10.0	13.0	11.0	5.0	10.0	18.0	11.0	5.0	15.0	18.0	11.0	5.0	15.0	--	--	--	--
0.22	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	13.0	11.0	5.0	10.0	18.0	11.0	5.0	15.0	--	--	--	--	--	--	--	--
0.33	13.0	9.0	4.0	10.0	13.0	9.0	4.0	10.0	--	--	--	--	18.0	11.0	5.0	15.0	--	--	--	--	--	--	--	--
0.33	--	--	--	--	18.0	11.0	5.0	15.0	18.0	11.0	5.0	15.0	--	--	--	--								
0.47	13.0	11.0	5.0	10.0	13.0	11.0	5.0	10.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0.47	--	--	--	--	18.0	11.0	5.0	15.0	18.0	12.0	6.0	15.0	--	--	--	--	--	--	--	--	--	--	--	--
0.68	--	--	--	--	18.0	11.0	5.0	15.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
0.68	18.0	11.0	5.0	15.0	18.0	12.0	6.0	15.0	18.0	13.5	7.5	15.0	--	--	--	--	--	--	--	--	--	--	--	--
1.0	18.0	11.0	5.0	15.0	18.0	11.0	5.0	15.0	18.0	14.5	8.5	15.0	18.0	14.5	8.5	15.0	--	--	--	--	--	--	--	--
1.5	18.0	12.0	6.0	15.0	18.0	15.5	9.5	15.0	18.0	15.5	9.5	15.0	--	--	--	--	--	--	--	--	--	--	--	--
2.2	18.0	13.5	7.5	15.0	18.0	19.0	11.0	15.0	18.0	19.0	11.0	15.0	18.0	19.0	11.0	15.0	--	--	--	--	--	--	--	--

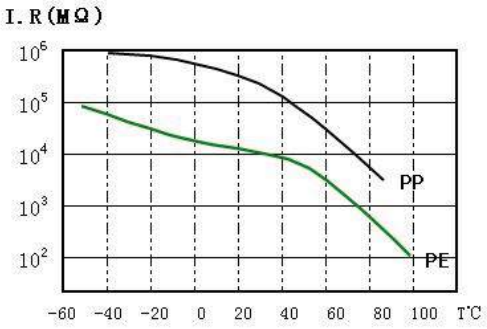
CL21B Box Type Metallized Polyester Film Capacitor

Film capacitor characteristics typical curve





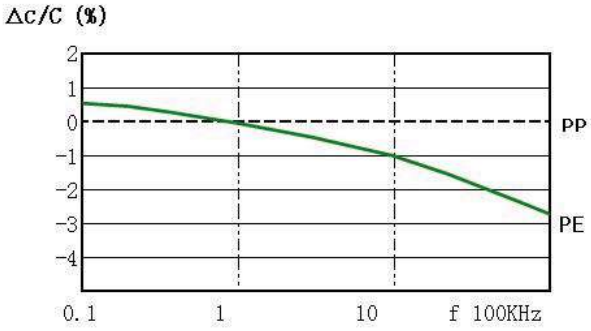
Dissipation factor vs.temperature at 1KHz



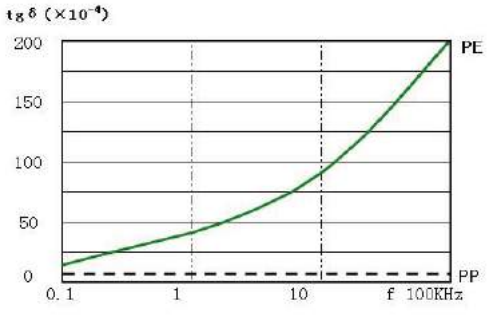
I.R.vs.temperature

PE: Polyester Film
PP: Polypropylene Film

Frequency Characteristics



Capacitance vs.frequency (Room temperature)



Dissipation factor vs. frequency (Room Temperature)

Soldering temperature vs time