

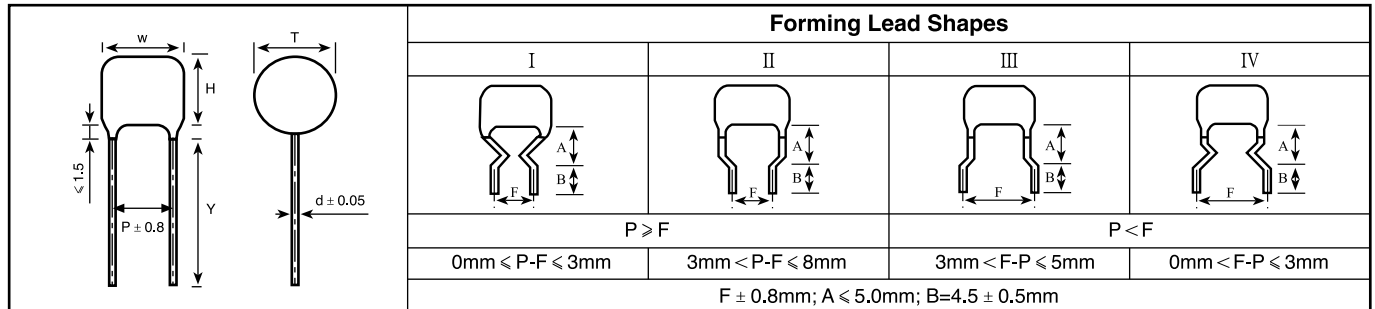


C31 (P)
CBB21 series

金属化聚丙烯膜精密电容器(浸渍型)

Metallized polypropylene film capacitor(dipped) for precision capacitor

■ 外形图 Outline Drawing



■ 特点

- 金属化聚丙烯膜介质
- 电容量温度系数小
- 电容量稳定性好

■ 主要用途

- 定时电路、LC滤波器、振荡电路等要求高频高稳定性的应用场合

■ Features

- Metallized polypropylene film
- Temperature coefficient of capacitance is small
- Good capacitance stability

■ Typical Applications

- Timing, LC-filter, oscillator circuits, applications with high frequencies and high stability, etc

■ 技术要求 Specifications

引用标准 Reference Standard	GB/T 10190 (IEC 60384-16)	
气候类别 Climatic Category	55/85/56	
额定温度 Rated Temperature	85°C	
额定电压 Rated Voltage	63V, 100V	
电容量范围 Capacitance Range	1.0nF ~ 100nF	
电容量偏差 Capacitance Tolerance	± 1%(F), ± 1.25%(A), ± 1.5%(L), ± 2%(G), ± 2.5%(B), ± 3%(H)	
耐电压 Voltage Proof	1.6U _R (2s)	
损耗角正切 Dissipation Factor	≤ 8 × 10 ⁻⁴	(1kHz, 20°C ± 5°C)
绝缘电阻 Insulation Resistance	≥ 100 000MΩ	(20°C ± 5°C, 10V, 1min)

产品编码说明 Part number system

■ 18位产品代码如下：

The 18 digits part number is formed as follow:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
C	3	1								P							

第1~3位	型号代码	Digit 1 to 3	Series code
	C31(P)= CBB21精密电容		C31(P)= CBB21 for precision capacitor
第4~5位	直流额定电压	Digit 4 to 5	D.C. rated voltage
	1J=63V 2A=100V		1J=63V 2A=100V
第6~8位	标称容量	Digit 6 to 8	Rated capacitance value
	举例：103=10 × 10 ³ pF=0.01μF		For example: 103=10 × 10 ³ pF=0.01μF
第9位	容量偏差	Digit 9	Capacitance tolerance
	F= ± 1%, A= ± 1.25%, L= ± 1.5%		F= ± 1%, A= ± 1.25%, L= ± 1.5%
	G= ± 2% B= ± 2.5%, H= ± 3%		G= ± 2% B= ± 2.5%, H= ± 3%
第10位	引线脚距P	Digit 10	Pitch
	2=5.0mm 3=7.5mm		2=5.0mm 3=7.5mm
第11位	内部特征码	Digit 11	Internal use
第12~15位	引线加工和包装代码	Digit 12 to 15	Lead form and packaging code
第16~18位	内部特征码	Digit 16 to 18	Internal use

■ Table 1 引线加工和包装代码 lead form and packaging code

第 12 位 Digit 12		第 13 位 Digit 13		第 14 位 Digit 14		第 15 位 Digit 15	
代码 Code	说明 explanation	代码 Code	说明 explanation	代码 Code	说明 explanation	代码 Code	说明 explanation
A	弹带包装 ammo-pack	2	F=5.0mm	1	表示弯脚 kinked	A	产品在连续的两个载带孔之间 each cap. between two consecutive holes P3=12.7mm,H=20.0mm (For pitch=7.5mm)
		3	F=7.5mm				(Detail parameter refer to pag 18)
F	引线成型 lead kinked	2	F=5.0mm	0	B=4.5mm (the length of B)	0	B 的长度偏差 ±0.5mm B Length tolerance ±0.5mm
		3	F=7.5mm				
		E	F=7.18mm				
				2	B=3.2mm		
				5	B=3.5mm		



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■ 外形尺寸 Dimensions (mm)

63Vdc/100Vdc [#]						
C _N (μF)	W _{max}	H _{max}	T _{max}	P	d	Part number
		Crimped lead				
0.0010	7.5	11.0	6.5	5.0	0.5	C311J102-2P****+++
0.0015	7.5	11.0	6.5	5.0	0.5	C311J152-2P****+++
0.0022	7.5	11.0	6.5	5.0	0.5	C311J222-2P****+++
0.0027	7.5	11.0	6.5	5.0	0.5	C311J272-2P****+++
0.0033	7.5	11.0	6.5	5.0	0.5	C311J332-2P****+++
0.0039	7.5	11.0	6.5	5.0	0.5	C311J392-2P****+++
0.0047	7.50	11.5	7.0	5.0	0.5	C311J472-2P****+++
0.0068	7.50	10.8	6.3	5.0	0.5	C311J682-2P****+++
0.0082	7.50	11.0	6.5	5.0	0.5	C311J822-2P****+++
0.010	7.50	11.1	6.6	5.0	0.5	C311J103-2P****+++
0.022	7.50	10.9	6.4	5.0	0.5	C311J223-2P****+++
0.0068	10.0	11.2	6.7	7.5	0.5	C311J682-3P****+++
0.0082	10.0	11.5	7.0	7.5	0.5	C311J822-3P****+++
0.010	10.0	11.9	7.4	7.5	0.5	C311J103-3P****+++
0.012	10.0	11.7	7.2	7.5	0.5	C311J123-3P****+++
0.015	10.0	11.5	7.0	7.5	0.5	C311J153-3P****+++
0.022	10.0	11.1	6.6	7.5	0.5	C311J223-3P****+++
0.033	10.0	11.0	6.5	7.5	0.5	C311J333-3P****+++
0.047	10.0	11.6	7.1	7.5	0.5	C311J473-3P****+++
0.056	10.0	11.6	7.1	7.5	0.5	C311J563-3P****+++
0.068	10.0	11.9	7.4	7.5	0.5	C311J683-3P****+++
0.082	10.0	11.3	6.8	7.5	0.5	C311J823-3P****+++
0.10	10.0	11.7	7.2	7.5	0.6	C311J104-3P****+++

备注: 1. “-”表示容量偏差。 “-” =capacitance tolerance code. F= ± 1%, A= ± 1.25%, L= ± 1.5%, G= ± 2% B= ± 2.5%, H= ± 3%

2. “****”表示引线加工和包装代码(见表1)。“****” =lead form and packing code (refer to table 1)

3. “#”当额定电压为100Vdc时,第4~5位是2A。“#” when the rated voltage is 100Vdc,the digit 4~5 is 2A.