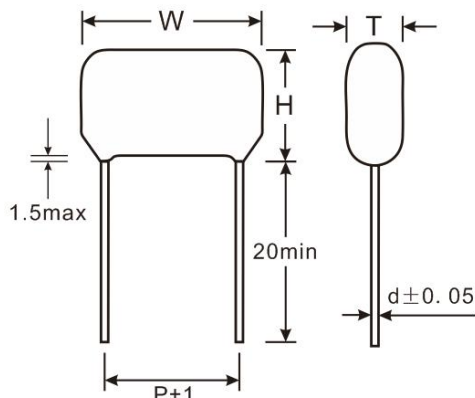


# 金属化聚丙烯膜电容器

## Metallized Polypropylene Film Capacitors



### ● 产品描述

- 金属化聚丙烯膜卷绕，无感式结构；
- 阻燃环氧树脂包封，CP 线径向引出；
- 损耗小，温升高，容量稳定，绝缘性能优良，具有良好的自愈特性；
- 适用于交/直流、低脉冲电路，可广泛应用于显示设备、音响设备、视听设备、通信器材、数据传输处理等各种电子电器设备中。

### ● Description of Products

- Metallized polypropylene film wound, non-inductive construction.
- Flame-retardant epoxy resin coating, radial CP wire.
- Small dissipation factor at high-frequency, low temperature rise, good stability of capacitance, good insulation resistance property, excellent self-healing property.
- Suitable for AC/DC, pulse circuit, widely used in display, sound equipment, audio-visual device, telecommunication equipment, data transmission and process facility and various electronic equipment.

### ● 性能指标 Specifications

引用标准 Reference Standard	GB/T 10190					
气候类别 Climatic Category	40/105/21					
工作温度 Operating Temperature	-40℃~+105℃ (85~+105℃: decreasing factor 1.25% per °C for U <sub>R</sub> )					
额定电压 Rated Voltage	160V、250V、400V、630V、1000V、1250V、1600V、2000V( DC )					
容量范围 Capacitance Range	0.001~6.8μF					
容量偏差 Capacitance Tolerance	J : ±5%    K : ±10%					
耐电压 Voltage Proof	1.6U <sub>R</sub> ( 5s )					
损耗角正切 Dissipation Factor	≤0.0010 ( 20℃, 1kHz )					
绝缘电阻 Insulation Resistance	R≥30000MΩ, C <sub>R</sub> ≤0.33μF RC <sub>R</sub> ≥10000MΩ·μF, C <sub>R</sub> >0.33μF ( 20℃, 100V, 1min )					
最大脉冲爬升速率 Max Pulse Rise Time(dV/dt)	U <sub>R</sub> (V)	dV/dt(V/μs)				
		P=7.5	P=10	P=15	P=22.5	P=27.5
	160/250	500	450	250	100	45
	400	700	600	450	250	80
	630	1200	950	700	300	130
	1000/1250	2000	1700	1300	900	260
	1600	—	—	900	450	350
2000	—	—	1200	600	—	



C22  
CBB21 Series



产品编码说明 Part number system

● 16 位产品代码如下:

The 16 digits part number is formed as follow:

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

第 1~3 位 Digit 1 to 3

型号代码 Series code

C22=CBB21

第 4~6 位 Digit 4 to 6

额定电压 Rated voltage

举例:  $163=10^1 \times 63 \text{ V}=630 \text{ V}$

$216=10^2 \times 16 \text{ V}=1600 \text{ V}$

第 7 位 Digit 7

交流/直流电压 AC/DC

A=AC D=DC

第 8~10 位 Digit 8 to 10

标称容量 Rated capacitance value

举例:  $310=10^3 \times 10 \text{ pF}=0.01 \mu\text{F}$

第 11 位 Digit 11

容量偏差 Capacitance tolerance

J=±5%, K=±10%, M=±20%

第 12~16 位 Digit 12 to 16

内部特征码 Internal use



C22  
CBB21 Series

● 规格尺寸 Dimensions

160/250VDC#						
C <sub>R</sub> (μF)	W max	H max	T max	P	d	Part Number
0.01	10.5	7.9	4.3	7.5	0.6	C21116D310-3****
0.012	10.5	8.1	4.5	7.5	0.6	C21116D312-3****
0.015	10.5	8.2	4.7	7.5	0.6	C21116D315-3****
0.018	10.5	8.5	4.9	7.5	0.6	C21116D318-3****
0.022	10.5	8.9	5.3	7.5	0.6	C21116D322-3****
0.027	10.5	8.2	4.5	7.5	0.6	C21116D327-3****
0.033	10.5	8.5	4.9	7.5	0.6	C21116D333-3****
0.039	10.5	8.8	5.2	7.5	0.6	C21116D339-3****
0.047	10.5	9.2	5.5	7.5	0.6	C21116D347-3****
0.056	13	8.9	4.5	10	0.6	C21116D356-4****
0.068	13	9.2	4.8	10	0.6	C21116D368-4****
0.082	13	9.6	5.2	10	0.6	C21116D382-4****
0.1	13	9.2	4.8	10	0.6	C21116D410-4****
0.12	13	9.5	5.1	10	0.6	C21116D412-4****
0.15	13	10	5.5	10	0.6	C21116D415-4****
0.18	13	10.3	5.9	10	0.6	C21116D418-4****
0.22	13	10.8	6.4	10	0.6	C21116D422-4****
0.27	18	10.5	5.3	15	0.6	C21116D427-6****
0.33	18	11	5.8	15	0.6	C21116D433-6****
0.39	18	11.5	6.3	15	0.6	C21116D439-6****
0.47	18	12	6.8	15	0.6	C21116D447-6****
0.56	18	12.6	7.4	15	0.8	C21116D456-6****
0.68	18	13.3	8.1	15	0.8	C21116D468-6****
0.82	18	15	8.2	15	0.8	C21116D482-6****
1	18	15.8	9	15	0.8	C21116D510-6****
1.2	26	14.5	7.7	22.5	0.8	C21116D512-9****
1.5	26	15.4	8.6	22.5	0.8	C21116D515-9****
1.8	26	16.2	9.4	22.5	0.8	C21116D518-9****
2.2	26	18.6	10.3	22.5	0.8	C21116D522-9****
2.7	26	19.7	11.4	22.5	0.8	C21116D527-9****
3.3	26	21	12.6	22.5	0.8	C21116D533-9****
3.9	31	20.5	12.1	27.5	0.8	C21116D539-B****
4.7	31	21.7	13.3	27.5	0.8	C21116D547-B****
5.6	31	23.8	13.9	27.5	0.8	C21116D556-B****
6.8	31	25.3	15.4	27.5	0.8	C21116D568-B****

400VDC						
C <sub>R</sub> (μF)	W max	H max	T max	P	d	Part Number
0.01	10.5	7.9	4.3	7.5	0.6	C21140D310-3****
0.012	10.5	8.1	4.5	7.5	0.6	C21140D312-3****
0.015	10.5	8.2	4.7	7.5	0.6	C21140D315-3****
0.018	10.5	8.5	4.9	7.5	0.6	C21140D318-3****
0.022	10.5	8.9	5.3	7.5	0.6	C21140D322-3****
0.027	10.5	8.2	4.5	7.5	0.6	C21140D327-3****
0.033	10.5	8.5	4.9	7.5	0.6	C21140D333-3****
0.039	10.5	8.8	5.2	7.5	0.6	C21140D339-3****
0.047	10.5	9.2	5.5	7.5	0.6	C21140D347-3****
0.056	10.5	9.7	6	7.5	0.6	C21140D356-3****
0.068	13	8.7	4.3	10	0.6	C21140D327-4****
0.082	13	9	4.6	10	0.6	C21140D333-4****
0.093	13	9.3	4.9	10	0.6	C21140D339-4****
0.047	13	9.7	5.2	10	0.6	C21140D347-4****
0.056	13	10	5.6	10	0.6	C21140D356-4****
0.068	13	9.7	5.3	10	0.6	C21140D368-4****
0.082	13	10.2	5.7	10	0.6	C21140D382-4****
0.1	13	10.7	6.2	10	0.6	C21140D410-4****
0.12	18	10.8	5.6	15	0.6	C21140D412-6****
0.15	18	11.4	6.2	15	0.6	C21140D415-6****
0.18	18	11.9	6.7	15	0.6	C21140D418-6****
0.22	18	12.5	7.3	15	0.6	C21140D422-6****
0.27	18	13.1	8	15	0.6	C21140D427-6****
0.33	18	14.9	8.1	15	0.8	C21140D433-6****
0.39	18	15.6	8.8	15	0.8	C21140D439-6****
0.47	18	16.4	9.6	15	0.8	C21140D447-6****
0.56	26	14.7	7.4	22.5	0.8	C21140D456-9****
0.68	26	15.3	8	22.5	0.8	C21140D468-9****
0.82	26	16.1	8.8	22.5	0.8	C21140D482-9****
1	26	16.9	9.6	22.5	0.8	C21140D510-9****
1.2	26	17.7	10.4	22.5	0.8	C21140D512-9****
1.5	26	18.9	11.6	22.5	0.8	C21140D515-9****
1.8	26	20.9	12	22.5	0.8	C21140D518-9****
2.2	26	22.2	13.3	22.5	0.8	C21140D522-9****
2.7	31	20.7	11.8	27.5	0.8	C21140D527-B****
3.3	31	21.9	13	27.5	0.8	C21140D533-B****
3.9	31	24	13.5	27.5	0.8	C21140D539-B****
4.7	31	25.3	14.9	27.5	0.8	C21140D547-B****

备注：“#”当额定电压为250VDC时，第4~6位是125。When the rated voltage is 250VDC,the digit 4~6 is 125



C22  
CBB21 Series



● 规格尺寸 Dimensions

630VDC						
C <sub>R</sub> (μF)	W max	H max	T max	P	d	Part Number
0.001	10.5	8	4.3	7.5	0.6	C21163D210-3****
0.0012	10.5	8.1	4.5	7.5	0.6	C21163D212-3****
0.0015	10.5	8.4	4.7	7.5	0.6	C21163D215-3****
0.0018	10.5	8.6	5	7.5	0.6	C21163D218-3****
0.0022	10.5	8.1	4.5	7.5	0.6	C21163D222-3****
0.0027	10.5	8.3	4.7	7.5	0.6	C21163D227-3****
0.0033	10.5	8.7	5	7.5	0.6	C21163D233-3****
0.0039	10.5	8.2	4.6	7.5	0.6	C21163D239-3****
0.0047	10.5	8.5	4.8	7.5	0.6	C21163D247-3****
0.0056	10.5	8.7	5.1	7.5	0.6	C21163D256-3****
0.0068	13	8.9	4.5	10	0.6	C21163D268-4****
0.0082	13	9.2	4.8	10	0.6	C21163D282-4****
0.01	13	9.5	5.1	10	0.6	C21163D310-4****
0.012	13	9.9	5.4	10	0.6	C21163D312-4****
0.015	13	10.3	5.9	10	0.6	C21163D315-4****
0.018	13	9	4.6	10	0.6	C21163D318-4****
0.022	13	9.3	4.9	10	0.6	C21163D322-4****
0.027	13	9.6	5.2	10	0.6	C21163D327-4****
0.033	13	10	5.6	10	0.6	C21163D333-4****
0.039	13	10.4	6	10	0.6	C21163D339-4****
0.047	13	10.8	6.4	10	0.6	C21163D347-4****
0.047	18	10.8	5.6	15	0.6	C21163D347-6****
0.056	18	11.1	5.9	15	0.6	C21163D356-6****
0.068	18	11.6	6.4	15	0.6	C21163D368-6****

630VDC						
C <sub>R</sub> (μF)	W max	H max	T max	P	d	Part Number
0.082	18	12.1	6.9	15	0.6	C21163D382-6****
0.1	18	12.4	7.2	15	0.6	C21163D410-6****
0.12	18	13	7.8	15	0.6	C21163D412-6****
0.15	18	14.7	7.9	15	0.6	C21163D415-6****
0.18	18	15.3	8.6	15	0.6	C21163D418-6****
0.22	18	13.1	7.9	15	0.6	C21163D422-6****
0.27	18	13.7	8.6	15	0.8	C21163D427-6****
0.33	18	15.5	8.8	15	0.8	C21163D433-6****
0.39	18	16.2	9.4	15	0.8	C21163D439-6****
0.47	18	17	10.2	15	0.8	C21163D447-6****
0.22	26	14.3	7.5	22.5	0.8	C21163D422-9****
0.27	26	15	8.2	22.5	0.8	C21163D427-9****
0.33	26	15.7	8.9	22.5	0.8	C21163D433-9****
0.39	26	16.4	9.7	22.5	0.8	C21163D439-9****
0.47	26	17.3	10.5	22.5	0.8	C21163D447-9****
0.56	26	16.9	10.1	22.5	0.8	C21163D456-9****
0.68	26	17.8	11	22.5	0.8	C21163D468-9****
0.82	26	19.8	11.4	22.5	0.8	C21163D482-9****
1	26	21	12.6	22.5	0.8	C21163D510-9****
1	31	20.5	11.6	27.5	0.8	C21163D510-B****
1.2	31	21.5	12.7	27.5	0.8	C21163D512-B****
1.5	31	23	14.1	27.5	0.8	C21163D515-B****
1.8	31	24.3	15.5	27.5	0.8	C21163D518-B****
2.2	31	26	17.1	27.5	0.8	C21163D522-B****



C22  
CBB21 Series

● 规格尺寸 Dimensions

1000/1250VDC#						
C <sub>R</sub> (μF)	W max	H max	T max	P	d	Part Number
0.001	10.5	8.3	4.7	7.5	0.6	C21210D210-3****
0.0012	10.5	8.5	4.9	7.5	0.6	C21210D212-3****
0.0015	10.5	8.2	4.5	7.5	0.6	C21210D215-3****
0.0018	10.5	8.4	4.8	7.5	0.6	C21210D218-3****
0.0022	10.5	8.7	5.1	7.5	0.6	C21210D222-3****
0.0027	10.5	8.1	4.5	7.5	0.6	C21210D227-3****
0.0033	10.5	8.3	4.7	7.5	0.6	C21210D233-3****
0.0039	10.5	8.6	5	7.5	0.6	C21210D239-3****
0.0047	10.5	8.9	5.3	7.5	0.6	C21210D247-3****
0.0056	10.5	9.8	5.4	7.5	0.6	C21210D256-3****
0.0068	13	9.6	5.2	10	0.6	C21210D268-4****
0.0082	13	10.4	6	10	0.6	C21210D282-4****
0.01	13	10.9	6.5	10	0.6	C21210D310-4****
0.012	13	10.4	6	10	0.6	C21210D312-4****
0.015	13	10.9	6.5	10	0.6	C21210D315-4****
0.018	13	11.4	6.9	10	0.6	C21210D318-4****
0.022	13	12.4	7.2	10	0.6	C21210D322-4****
0.027	18	12.1	6.8	15	0.6	C21210D327-6****
0.033	18	12.6	7.4	15	0.6	C21210D333-6****
0.039	18	13.1	7.9	15	0.6	C21210D339-6****
0.047	18	13.8	8.6	15	0.8	C21210D347-6****
0.056	18	15.4	8.6	15	0.8	C21210D356-6****
0.068	18	16.1	9.4	15	0.8	C21210D368-6****
0.082	26	14.3	7.5	22.5	0.8	C21210D382-9****
0.1	26	15	8.2	22.5	0.8	C21210D410-9****
0.12	26	15.7	8.9	22.5	0.8	C21210D412-9****
0.15	26	17.6	9.2	22.5	0.8	C21210D415-9****
0.18	26	18.5	10.1	22.5	0.8	C21210D418-9****
0.22	26	19.5	11.2	22.5	0.8	C21210D422-9****
0.27	32	19.7	10.9	27.5	0.8	C21210D427-B****
0.33	32	20.8	12	27.5	0.8	C21210D433-B****
0.39	32	21.8	13	27.5	0.8	C21210D439-B****
0.47	32	23.1	14.2	27.5	0.8	C21210D447-B****

1600VDC						
C <sub>R</sub> (μF)	W max	H max	T max	P	d	Part Number
0.01	18	12.2	6.5	15	0.6	C21216D310-6****
0.012	18	12.6	6.9	15	0.6	C21216D312-6****
0.015	18	13.1	7.4	15	0.6	C21216D315-6****
0.018	18	13.6	7.9	15	0.6	C21216D318-6****
0.022	18	14.2	8.5	15	0.8	C21216D322-6****
0.027	18	15	9.3	15	0.8	C21216D327-6****
0.033	18	15.7	10	15	0.8	C21216D333-6****
0.039	18	16.5	10.8	15	0.8	C21216D339-6****
0.047	18	18.3	11	15	0.8	C21216D347-6****
0.056	26	16.1	8.8	22.5	0.8	C21216D356-9****
0.068	26	16.8	9.5	22.5	0.8	C21216D368-9****
0.082	26	17.6	10.3	22.5	0.8	C21216D382-9****
0.1	26	19.5	10.7	22.5	0.8	C21216D410-9****
0.12	26	20.5	11.6	22.5	0.8	C21216D412-9****
0.15	32	19.8	10.9	27.5	0.8	C21216D415-B****
0.18	32	20.7	11.9	27.5	0.8	C21216D418-B****
0.22	32	21.9	13.1	27.5	0.8	C21216D422-B****
0.27	32	23.3	14.5	27.5	0.8	C21216D427-B****
0.33	32	24.8	16	27.5	0.8	C21216D433-B****
0.39	32	27	16.6	27.5	0.8	C21216D439-B****
0.47	32	28.7	18.3	27.5	0.8	C21216D447-B****

2000VDC						
C <sub>R</sub> (μF)	W max	H max	T max	P	d	Part Number
0.0082	18	12.8	7.1	15	0.6	C21220D282-6****
0.01	18	13.3	7.6	15	0.6	C21220D310-6****
0.012	18	13.8	8.1	15	0.6	C21220D312-6****
0.015	18	14.6	8.9	15	0.8	C21220D315-6****
0.018	18	15.2	9.5	15	0.8	C21220D318-6****
0.022	18	16	10.3	15	0.8	C21220D322-6****
0.027	18	16.9	11.2	15	0.8	C21220D327-6****
0.033	24	15.9	8.6	22.5	0.8	C21220D333-9****
0.039	24	16.5	9.2	22.5	0.8	C21220D339-9****
0.047	24	17.2	10	22.5	0.8	C21220D347-9****
0.056	24	18	10.7	22.5	0.8	C21220D356-9****
0.068	24	19.9	11.1	22.5	0.8	C21220D368-9****
0.082	24	20.9	12.1	22.5	0.8	C21220D382-9****
0.1	24	22.1	13.2	22.5	0.8	C21220D410-9****

备注：“#”当额定电压为1250VDC时，第4~6位是213。When the rated voltage is 1250VDC, the digit 4~6 is 213.