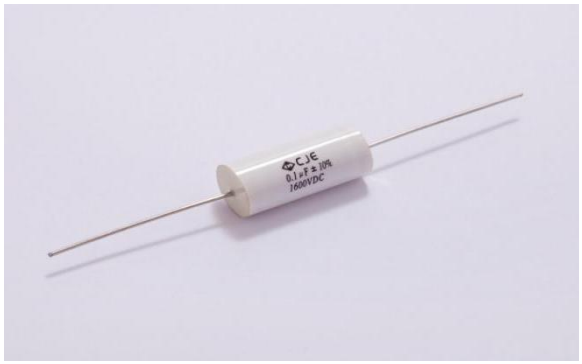
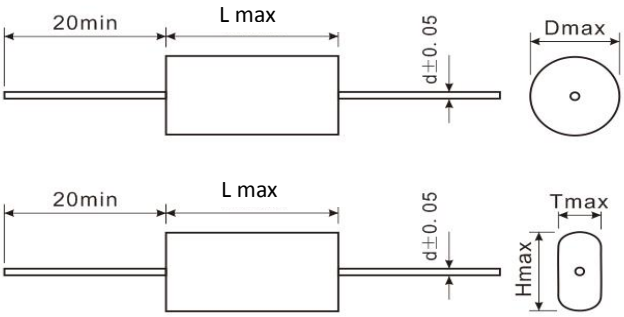
C20

CBB20 Series

轴向金属化聚丙烯膜电容器

Axial-Type Metallized Polypropylene Film Capacitors





● 产品描述

- 金属化聚丙烯膜卷绕，圆形和扁形无感式结构；
- 聚酯胶带包裹，阻燃环氧树脂灌封，CP 线轴向引出；
- 损耗小，温升低；
- 电容量稳定性好，绝缘电阻高，具有良好的自愈特性；
- 适用于交/直流、脉动等多种应用，广泛应用于视听设备、电源设备、邮电通信、数据处理等各种电子电器设备中，尤其适用于高档音响的分频网络。

Description of Products

- Metallized polypropylene film wound, non-inductive construction, tubular and flat oval shape.
- Polyester tape Wrapped, flame-retardant epoxy resin filled, axial CP wire.
- Small dissipation factor, low inherent temperature rise.
- Good stability of capacitance, good insulation resistance, excellent self-healing property.
- Suitable for use in application of AC/DC, pulse circuit and so on, widely used in audio-visual devices, power supply, telecommunication, data processing equipment and various electronic equipment, especially suitable for frequency divider of tog-grade sound system.

● 性能指标 Specifications

执行标准 Reference Standard	GB/T 10190 (IEC60384-16)						
气候类别 Climatic Category	40 / 085 / 21						
额定温度 Rated Temperature	85℃						
额定工作电压 Rated Voltage	100V/160V、250V、400V、630V 、1000V、1250V(DC)						
电容量范围 Capacitance Range	0.0010～15μF						
电容量偏差 Capacitance Tolerance ΔC/C	J：±5%　K：±10%　M：±20%						
耐电压 Voltage Proof	1.6UR (5S)						
损耗角正切 Dissipation Factor	≤0.001 (1kHZ,20℃)						
绝缘电阻 Insulation Resistance	R≥100000MΩ, CN≤0.33μF R*CN≥30000S, CN > 0.33μF　　(20℃，1min)						
最大脉冲爬升速率 Maximum Pulse Rise Time（dV/dt）： dV/dt 与电容量的乘积值即为电容器脉冲电流的瞬态大小： Î = C *dV/dt The product of dv/ dt and capacitance is the transient value of capacitor pulse current	U_R（V）	dV/dt (V/μs)						
		L=12.0	L=14.5	L=20.0	L=27.5	L=33	L=41.5	L=56.5
	100/160	150	110	80	60	50	35	20
	250	300	220	150	110	90	60	30
	400	460	330	250	180	120	80	45
	630	600	440	300	220	150	100	60
	1 000	800	550	400	300	200	150	80
	1 250	1000	750	580	400	300	200	100

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	0													

第 1～3 位 Digit 1 to 3 型号代码 Series code

C20=CBB20

第 4～6 位 Digit 4 to 6 额定电压 Rated voltage

举例： 163=10^1×63V=630V

216=10^2×16V=1600V

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=10^3×10pF=0.01μF

第 11 位 Digit 11 容量偏差 Capacitance tolerance

J=±5%, K=±10%，M=±20%

第 12 位 Digit 12 主要特征码 Main Code

“0”圆形 tubular ,“1”扁形 flat oval

第 13～16 位 Digit 12 to 16 内部识别码 Internal use

C20
CBB20 Series

● 外形尺寸表 Dimensions (mm)

100Vdc(60Vac)/160Vdc(90Vac)					250Vdc(160Vac)					400Vdc(200Vac)				
C_N (μF)	D max	L max	d	Part number	C_N (μF)	D max	L max	d	Part number	C_N (μF)	D max	L max	d	Part number
0.022	5.0	12	0.6	C20110D322******	0.010	5.0	12.0	0.6	C20125D310******	0.0068	5.0	12.0	0.6	C20140D268******
0.027	5.0	12	0.6	C20110D327******	0.012	5.0	12.0	0.6	C20125D312******	0.0082	5.0	12.0	0.6	C20140D282******
0.033	5.0	12	0.6	C20110D333******	0.015	5.0	12.0	0.6	C20125D315******	0.010	5.0	12.0	0.6	C20140D310******
0.039	5.0	12	0.6	C20110D339******	0.018	5.0	12.0	0.6	C20125D318******	0.012	5.0	12.0	0.6	C20140D312******
0.047	5.0	12	0.6	C20110D347******	0.022	5.0	12.0	0.6	C20125D322******	0.015	5.0	12.0	0.6	C20140D315******
0.056	5.0	12	0.6	C20110D356******	0.027	5.0	12.0	0.6	C20125D327******	0.018	5.0	12.0	0.6	C20140D318******
0.068	5.5	12	0.6	C20110D368******	0.033	5.0	12.0	0.6	C20125D333******	0.022	5.0	12.0	0.6	C20140D322******
0.082	5.0	14.5	0.6	C20110D382******	0.039	5.0	14.5	0.6	C20125D339******	0.027	5.0	14.5	0.6	C20140D327******
0.10	5.5	14.5	0.6	C20110D410******	0.047	5.5	14.5	0.6	C20125D347******	0.033	5.5	14.5	0.6	C20140D333******
0.12	6.0	14.5	0.6	C20110D412******	0.056	5.5	14.5	0.6	C20125D356******	0.039	6.0	14.5	0.6	C20140D339******
0.15	6.5	14.5	0.6	C20110D415******	0.068	6.0	14.5	0.6	C20125D368******	0.047	6.5	14.5	0.6	C20140D347******
0.18	7.0	14.5	0.8	C20110D418******	0.082	6.5	14.5	0.6	C20125D382******	0.056	6.5	14.5	0.6	C20140D356******
0.22	7.5	14.5	0.8	C20110D422******	0.10	7.0	14.5	0.8	C20125D410******	0.068	7.0	14.5	0.8	C20140D368******
0.27	8.5	14.5	0.8	C20110D427******	0.12	7.5	14.5	0.8	C20125D412******	0.082	7.5	14.5	0.8	C20140D382******
0.33	7.0	20.0	0.8	C20110D433******	0.15	8.0	14.5	0.8	C20125D415******	0.10	7.0	20.0	0.8	C20140D410******
0.39	7.5	20.0	0.8	C20110D439******	0.18	8.5	14.5	0.8	C20125D418******	0.12	7.5	20.0	0.8	C20140D412******
0.47	8.0	20.0	0.8	C20110D447******	0.22	7.5	20.0	0.8	C20125D422******	0.15	8.0	20.0	0.8	C20140D415******
0.56	9.0	20.0	0.8	C20110D456******	0.27	8.0	20.0	0.8	C20125D427******	0.18	8.5	20.0	0.8	C20140D418******
0.68	8.0	27.5	0.8	C20110D468******	0.33	9.0	20.0	0.8	C20125D433******	0.22	9.0	20.0	0.8	C20140D422******
0.82	8.5	27.5	0.8	C20110D482******	0.39	9.5	20.0	0.8	C20125D439******	0.27	10.0	20.0	0.8	C20140D427******
1.0	9.5	27.5	0.8	C20110D510******	0.47	8.5	27.5	0.8	C20125D447******	0.33	9.0	27.5	0.8	C20140D433******
1.2	10.0	27.5	0.8	C20110D512******	0.56	9.0	27.5	0.8	C20125D456******	0.39	9.5	27.5	0.8	C20140D439******
1.5	11.5	27.5	0.8	C20110D515******	0.68	10.0	27.5	0.8	C20125D468******	0.47	10.0	27.5	0.8	C20140D447******
1.8	12.0	27.5	0.8	C20110D518******	0.82	10.5	27.5	0.8	C20125D482******	0.56	10.5	27.5	0.8	C20140D456******
2.2	12.0	33.0	0.8	C20110D522******	1.0	12.0	27.5	0.8	C20125D510******	0.68	12.0	27.5	0.8	C20140D468******
2.7	13.0	33.0	0.8	C20110D527******	1.2	12.5	27.5	0.8	C20125D512******	0.82	13.0	27.5	0.8	C20140D482******
3.3	14.0	33.0	0.8	C20110D533******	1.5	12.5	33.0	0.8	C20125D515******	1.0	12.5	33.0	0.8	C20140D510******
3.9	15.0	33.0	0.8	C20110D539******	1.8	13.5	33.0	0.8	C20125D518******	1.2	13.5	33.0	0.8	C20140D512******
4.7	16.5	33.0	1.0	C20110D547******	2.2	14.5	33.0	0.8	C20125D522******	1.5	15.0	33.0	0.8	C20140D515******
5.6	17.5	33.0	1.0	C20110D556******	2.7	16.0	33.0	1.0	C20125D527******	1.8	16.0	33.0	1.0	C20140D518******
6.8	17.5	41.5	1.0	C20110D568******	3.3	17.5	33.0	1.0	C20125D533******	2.2	17.5	33.0	1.0	C20140D522******
8.2	19.0	41.5	1.0	C20110D582******	3.9	18.5	33.0	1.0	C20125D539******	2.7	19.0	33.0	1.0	C20140D527******
10.0	20.5	41.5	1.0	C20110D610******	4.7	18.0	41.5	1.0	C20125D547******	3.3	18.5	41.5	1.0	C20140D533******
12.0	19.0	56.5	1.0	C20110D612******	5.6	19.5	41.5	1.0	C20125D556******	3.9	20.0	41.5	1.0	C20140D539******
15.0	21.0	56.5	1.0	C20110D615******	6.8	21.5	41.5	1.0	C20125D568******	4.7	21.5	41.5	1.0	C20140D547******
					8.2	23.0	41.5	1.0	C20125D582******	5.6	23.5	41.5	1.0	C20140D556******
					10.0	21.5	56.5	1.0	C20125D610******	6.8	21.5	56.5	1.0	C20140D568******
					12.0	23.5	56.5	1.0	C20125D612******	8.2	23.5	56.5	1.0	C20140D582******
					15.0	25.5	56.5	1.0	C20125D615******	10.0	25.5	56.5	1.0	C20140D610******

CJE®

C20

CBB20 Series

常 捷 ®

630Vdc (220Vac)					1000Vdc (350Vac)					1250Vdc (400Vac)				
C_N (μF)	D max	L max	d	Part number	C_N (μF)	D max	L max	d	Part number	C_N (μF)	D max	L max	d	Part number
0.0010	5.0	12.0	0.6	C20163D210******	0.0010	5.0	12.0	0.6	C20210D210******	0.0010	5.0	12.0	0.6	C20212D210******
0.0012	5.0	12.0	0.6	C20163D212******	0.0012	5.0	12.0	0.6	C20210D212******	0.0012	5.5	12.0	0.6	C20212D212******
0.0015	5.0	12.0	0.6	C20163D215******	0.0015	5.0	12.0	0.6	C20210D215******	0.0015	5.5	12.0	0.6	C20212D215******
0.0018	5.0	12.0	0.6	C20163D218******	0.0018	5.5	12.0	0.6	C20210D218******	0.0018	6.0	12.0	0.6	C20212D218******
0.0022	5.0	12.0	0.6	C20163D222******	0.0022	6.0	12.0	0.6	C20210D222******	0.0022	6.5	12.0	0.6	C20212D222******
0.0027	5.0	12.0	0.6	C20163D227******	0.0027	6.0	12.0	0.6	C20210D227******	0.0027	5.5	14.5	0.6	C20212D227******
0.0033	5.0	12.0	0.6	C20163D233******	0.0033	6.5	12.0	0.6	C20210D233******	0.0033	6.0	14.5	0.6	C20212D233******
0.0039	5.0	12.0	0.6	C20163D239******	0.0039	5.5	14.5	0.6	C20210D239******	0.0039	6.0	14.5	0.6	C20212D239******
0.0047	5.0	12.0	0.6	C20163D247******	0.0047	5.5	14.5	0.6	C20210D247******	0.0047	6.5	14.5	0.6	C20212D247******
0.0056	5.0	12.0	0.6	C20163D256******	0.0056	6.5	14.5	0.6	C20210D256******	0.0056	7.0	14.5	0.8	C20212D256******
0.0068	5.5	12.0	0.6	C20163D268******	0.0068	6.5	14.5	0.6	C20210D268******	0.0068	7.5	14.5	0.8	C20212D268******
0.0082	5.0	14.5	0.6	C20163D282******	0.0082	7.0	14.5	0.8	C20210D282******	0.0082	8.0	14.5	0.8	C20212D282******
0.010	5.5	14.5	0.6	C20163D310******	0.010	7.5	14.5	0.8	C20210D310******	0.010	8.5	14.5	0.8	C20212D310******
0.012	5.5	14.5	0.6	C20163D312******	0.012	8.0	14.5	0.8	C20210D312******	0.012	7.0	20.0	0.8	C20212D312******
0.015	6.0	14.5	0.6	C20163D315******	0.015	8.5	14.5	0.8	C20210D315******	0.015	7.5	20.0	0.8	C20212D315******
0.018	6.5	14.5	0.6	C20163D318******	0.018	7.5	20.0	0.8	C20210D318******	0.018	8.0	20.0	0.8	C20212D318******
0.022	7.0	14.5	0.8	C20163D322******	0.022	8.0	20.0	0.8	C20210D322******	0.022	8.5	20.0	0.8	C20212D322******
0.027	7.5	14.5	0.8	C20163D327******	0.027	8.5	20.0	0.8	C20210D327******	0.027	9.5	20.0	0.8	C20212D327******
0.033	7.0	20.0	0.8	C20163D333******	0.033	9.0	20.0	0.8	C20210D333******	0.033	10.5	20.0	0.8	C20212D333******
0.039	7.5	20.0	0.8	C20163D339******	0.039	10.0	20.0	0.8	C20210D339******	0.039	9.0	27.5	0.8	C20212D339******
0.047	8.0	20.0	0.8	C20163D347******	0.047	10.5	20.0	0.8	C20210D347******	0.047	9.5	27.5	0.8	C20212D347******
0.056	8.5	20.0	0.8	C20163D356******	0.056	9.0	27.5	0.8	C20210D356******	0.056	10.0	27.5	0.8	C20212D356******
0.068	9.0	20.0	0.8	C20163D368******	0.068	9.5	27.5	0.8	C20210D368******	0.068	11.0	27.5	0.8	C20212D368******
0.082	9.5	20.0	0.8	C20163D382******	0.082	10.5	27.5	0.8	C20210D382******	0.082	12.0	27.5	0.8	C20212D382******
0.10	8.5	27.5	0.8	C20163D410******	0.10	11.5	27.5	0.8	C20210D410******	0.10	13.0	27.5	0.8	C20212D410******
0.12	9.0	27.5	0.8	C20163D412******	0.12	12.0	27.5	0.8	C20210D412******	0.12	12.5	33.0	0.8	C20212D412******
0.15	10.0	27.5	0.8	C20163D415******	0.15	12.0	33.0	0.8	C20210D415******	0.15	13.5	33.0	0.8	C20212D415******
0.18	10.5	27.5	0.8	C20163D418******	0.18	13.0	33.0	0.8	C20210D418******	0.18	14.5	33.0	0.8	C20212D418******
0.22	12.0	27.5	0.8	C20163D422******	0.22	14.0	33.0	0.8	C20210D422******	0.22	16.0	33.0	1.0	C20212D422******
0.27	13.0	27.5	0.8	C20163D427******	0.27	15.0	33.0	0.8	C20210D427******	0.27	17.0	33.0	1.0	C20212D427******
0.33	12.5	33.0	0.8	C20163D433******	0.33	16.5	33.0	1.0	C20210D433******	0.33	17.0	41.5	1.0	C20212D433******
0.39	13.5	33.0	0.8	C20163D439******	0.39	18.0	33.0	1.0	C20210D439******	0.39	18.0	41.5	1.0	C20212D439******
0.47	14.5	33.0	0.8	C20163D447******	0.47	17.5	41.5	1.0	C20210D447******	0.47	19.5	41.5	1.0	C20212D447******
0.56	15.5	33.0	0.8	C20163D456******	0.56	19.0	41.5	1.0	C20210D456******	0.56	21.0	41.5	1.0	C20212D456******
0.68	17.0	33.0	1.0	C20163D468******	0.68	20.5	41.5	1.0	C20210D468******	0.68	20.0	56.5	1.0	C20212D468******
0.82	18.0	33.0	1.0	C20163D482******	0.82	22.0	41.5	1.0	C20210D482******	0.82	21.5	56.5	1.0	C20212D482******
1.0	17.5	41.5	1.0	C20163D510******	1.0	20.5	56.5	1.0	C20210D510******	1.0	23.0	56.5	1.0	C20212D510******
1.2	19.0	41.5	1.0	C20163D512******	1.2	22.0	56.5	1.0	C20210D512******	1.2	25.0	56.5	1.0	C20212D512******
1.5	21.0	41.5	1.0	C20163D515******	1.5	24.5	56.5	1.0	C20210D515******	1.5	27.5	56.5	1.0	C20212D515******
1.8	22.5	41.5	1.0	C20163D518******										
2.2	24.5	41.5	1.0	C20163D522******										
2.7	23.0	56.5	1.0	C20163D527******										
3.3	25.0	56.5	1.0	C20163D533******										