



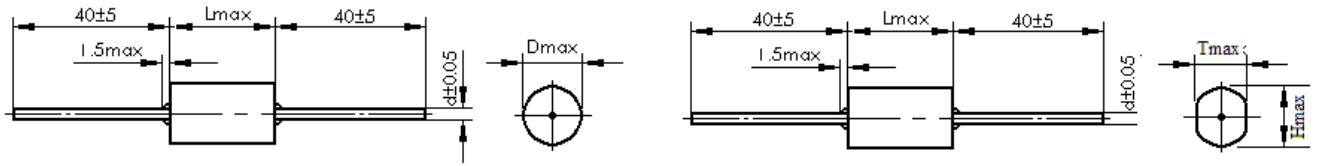
CBB20

中星 CBB20 series

CBB20 型轴向金属化聚丙烯膜电容器

Metallized Polypropylene Film Capacitor (Axial-Type)

◆ 外形尺寸图及产品结构 Outline Drawing and Capacitor Construction



① Axial circular

② Axial oval

◆ 特点及用途 Application and Feature

金属化聚丙烯薄膜，无感卷绕结构，体积小，自愈性好，适用于温度补偿电路，定时、振荡电路。

Metallized Polypropylene Film Capacitor, non-inductive wound construction, small size and excellent self-healing property. Suitable for Temperature compensation circuit, timing, oscillator circuit.

◆ 技术要求 Specifications

参照标准 Reference Standard	GB 10190、IEC 60384-16
气候类别 Climatic Category	40/85/21
工作温度范围 Operation Temperature Range	-40℃~85℃
额定温度 Rated Temperature	85℃
额定电压 Rated Voltage	100Vdc/160Vdc、250Vdc、400Vdc、630Vdc、1000Vdc、1250Vdc
电容量范围 Capacitance Range	0.01μF~10.0μF
电容量偏差 Capacitance Tolerance	±5%(J)、±10%(K)、±20%(M) (20℃, 1kHz)
耐电压 Voltage Proof	U=1.6UR (20℃, 5s)
绝缘电阻 Insulation Resistance	CR≤0.33μF, IR≥100 000MΩ CR>0.33μF, IR×C≥30 000s (20℃, 100Vdc, 1min)
损耗角正切 Dissipation Factor	≤0.0010 (1kHz, 20℃) ≤0.0020 (10kHz, 20℃) (CR≤1μF)

◆ 产品代码编写说明: Part number code 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	B	2	0												

第 1~4 位 薄膜电容器系列代码

CB20=CBB20

Digit 1~4

Series code of film capacitor

CB20=CBB20

第 5~7 位 标称容量代码

举例: 103=10×10³pF=0.01 μF

Digit 5~7

Rated capacitance value code

For example: 103=10×10³pF=0.01 μF

第 8 位 容量等级代码

J=±5% K=±10% M=±20%

Digit 8

Capacitance tolerance code

J=±5% K=±10% M=±20%

第 9~10 位 直流额定电压代码

1J=63V 2A=100V 2E=250V 2G=400V
2J=630V 3A=1000V 3B=1250V

Digit 9~10

DC rated voltage code

1J=63V 2A=100V 2E=250V 2G=400V
2J=630V 3A=1000V 3B=1250V

第 11 位 轴向

0=轴向圆形 1=轴向椭圆形

Digit 11

Axial

0=Axial circular 1=Axial oval

第 12 位 内部特征码

Digit 12

Internal use

第 13~16 位 标准引线长度代码

B000=40mm

Digit 13~16

Lead length code

B000=40mm

◆ 产品尺寸: Special Product Dimension:

100V/160Vdc					250Vdc					400Vdc				
C (μ F)	D max	L max	d	产品代码 Part number	C (μ F)	D max	L max	d	产品代码 Part number	C (μ F)	D max	L max	d	产品代码 Part number
0.022	4.8	12.5	0.6	CB20223-2A00B000	0.010	4.9	12.5	0.6	CB20103-2E00B000	0.0068	5.0	12.5	0.6	CB20682-2G00B000
0.027	4.9	12.5	0.6	CB20273-2A00B000	0.012	5.0	12.5	0.6	CB20123-2E00B000	0.0082	5.1	12.5	0.6	CB20822-2G00B000
0.033	5.0	12.5	0.6	CB20333-2A00B000	0.015	5.2	12.5	0.6	CB20153-2E00B000	0.010	5.2	12.5	0.6	CB20103-2G00B000
0.039	5.2	12.5	0.6	CB20393-2A00B000	0.018	5.3	12.5	0.6	CB20183-2E00B000	0.012	5.3	12.5	0.6	CB20123-2G00B000
0.047	5.3	12.5	0.6	CB20473-2A00B000	0.022	5.5	12.5	0.6	CB20223-2E00B000	0.015	5.5	12.5	0.6	CB20153-2G00B000
0.056	5.5	12.5	0.6	CB20563-2A00B000	0.027	5.7	12.5	0.6	CB20273-2E00B000	0.018	5.7	12.5	0.6	CB20183-2G00B000
0.068	5.7	12.5	0.6	CB20683-2A00B000	0.033	5.9	12.5	0.6	CB20333-2E00B000	0.022	6.0	12.5	0.6	CB20223-2G00B000
0.082	5.6	14.7	0.6	CB20823-2A00B000	0.039	5.7	14.7	0.6	CB20393-2E00B000	0.027	5.8	14.7	0.6	CB20273-2G00B000
0.10	5.8	14.7	0.6	CB20104-2A00B000	0.047	6.0	14.7	0.6	CB20473-2E00B000	0.033	6.1	14.7	0.6	CB20333-2G00B000
0.12	6.1	14.7	0.6	CB20124-2A00B000	0.056	6.2	14.7	0.6	CB20563-2E00B000	0.039	6.3	14.7	0.6	CB20393-2G00B000
0.15	6.4	14.7	0.6	CB20154-2A00B000	0.068	6.5	14.7	0.6	CB20683-2E00B000	0.047	6.6	14.7	0.6	CB20473-2G00B000
0.18	6.8	14.7	0.8	CB20184-2A00B000	0.082	6.8	14.7	0.6	CB20823-2E00B000	0.056	7.0	14.7	0.6	CB20563-2G00B000
0.22	7.2	14.7	0.8	CB20224-2A00B000	0.10	7.3	14.7	0.8	CB20104-2E00B000	0.068	7.4	14.7	0.8	CB20683-2G00B000
0.27	7.7	14.7	0.8	CB20274-2A00B000	0.12	7.7	14.7	0.8	CB20124-2E00B000	0.082	7.8	14.7	0.8	CB20823-2G00B000
0.33	6.9	19.7	0.8	CB20334-2A00B000	0.15	8.3	14.7	0.8	CB20154-2E00B000	0.10	7.0	19.7	0.8	CB20104-2G00B000
0.39	7.3	19.7	0.8	CB20394-2A00B000	0.18	8.8	14.7	0.8	CB20184-2E00B000	0.12	7.4	19.7	0.8	CB20124-2G00B000
0.47	7.8	19.7	0.8	CB20474-2A00B000	0.22	7.7	19.7	0.8	CB20224-2E00B000	0.15	7.9	19.7	0.8	CB20154-2G00B000
0.56	8.2	19.7	0.8	CB20564-2A00B000	0.27	8.3	19.7	0.8	CB20274-2E00B000	0.18	8.4	19.7	0.8	CB20184-2G00B000
0.68	8.2	28.7	0.8	CB20684-2A00B000	0.33	8.9	19.7	0.8	CB20334-2E00B000	0.22	9.0	19.7	0.8	CB20224-2G00B000
0.82	8.7	28.7	0.8	CB20824-2A00B000	0.39	9.4	19.7	0.8	CB20394-2E00B000	0.27	9.7	19.7	0.8	CB20274-2G00B000
1.0	9.2	28.7	0.8	CB20105-2A00B000	0.47	9.0	28.7	0.8	CB20474-2E00B000	0.33	9.2	28.7	0.8	CB20334-2G00B000
1.2	9.8	28.7	0.8	CB20125-2A00B000	0.56	9.5	28.7	0.8	CB20564-2E00B000	0.39	9.8	28.7	0.8	CB20394-2G00B000
1.5	10.6	28.7	0.8	CB20155-2A00B000	0.68	10.1	28.7	0.8	CB20684-2E00B000	0.47	10.4	28.7	0.8	CB20474-2G00B000
1.8	11.4	28.7	0.8	CB20185-2A00B000	0.82	10.8	28.7	0.8	CB20824-2E00B000	0.56	11.1	28.7	0.8	CB20564-2G00B000
2.2	11.6	33.7	0.8	CB20225-2A00B000	1.0	11.6	28.7	0.8	CB20105-2E00B000	0.68	11.9	28.7	0.8	CB20684-2G00B000
2.7	12.5	33.7	0.8	CB20275-2A00B000	1.2	12.5	28.7	0.8	CB20125-2E00B000	0.82	12.8	28.7	0.8	CB20824-2G00B000
3.3	13.5	33.7	0.8	CB20335-2A00B000	1.5	12.4	33.7	0.8	CB20155-2E00B000	1.0	12.6	33.7	0.8	CB20105-2G00B000
3.9	14.4	33.7	0.8	CB20395-2A00B000	1.8	13.3	33.7	0.8	CB20185-2E00B000	1.2	13.5	33.7	0.8	CB20125-2G00B000
4.7	15.5	33.7	1.0	CB20475-2A00B000	2.2	14.4	33.7	0.8	CB20225-2E00B000	1.5	14.8	33.7	0.8	CB20155-2G00B000
5.6	16.6	33.7	1.0	CB20565-2A00B000	2.7	15.7	33.7	1.0	CB20275-2E00B000	1.8	16.0	33.7	1.0	CB20185-2G00B000
6.8	15.5	43.7	1.0	CB20685-2A00B000	3.3	17.1	33.7	1.0	CB20335-2E00B000	2.2	17.4	33.7	1.0	CB20225-2G00B000
8.2	16.8	43.7	1.0	CB20825-2A00B000	3.9	18.4	33.7	1.0	CB20395-2E00B000	2.7	19.1	33.7	1.0	CB20275-2G00B000
10	18.2	43.7	1.0	CB20106-2A00B000	4.7	17.4	43.7	1.0	CB20475-2E00B000	3.3	18.1	43.7	1.0	CB20335-2G00B000
12	17.0	57.7	1.0	CB20126-2A00B000	5.6	18.7	43.7	1.0	CB20565-2E00B000	3.9	19.4	43.7	1.0	CB20395-2G00B000
15	18.7	57.7	1.0	CB20156-2A00B000	6.8	20.3	43.7	1.0	CB20685-2E00B000	4.7	21.1	43.7	1.0	CB20475-2G00B000
					8.2	22.1	43.7	1.0	CB20825-2E00B000	5.6	22.7	43.7	1.0	CB20565-2G00B000
					10	20.7	57.7	1.0	CB20106-2E00B000	6.8	21.2	57.7	1.0	CB20685-2G00B000
					12	22.4	57.7	1.0	CB20126-2E00B000	8.2	23.1	57.7	1.0	CB20825-2G00B000
					15	24.7	57.7	1.0	CB20156-2E00B000	10	25.2	57.7	1.0	CB20106-2G00B000

备注:

“-”: 客户要求的容量偏差

“-”=custom's capacitor tolerance code, J=±5%, K=±10%, M=±20%



CBB20

CBB20 series

◆ 产品尺寸: Special Product Dimension:

630Vdc					1000Vdc					1250Vdc				
C (μ F)	D max	L max	d	产品代码 Part number	C (μ F)	D max	L max	d	产品代码 Part number	C (μ F)	D max	L max	d	产品代码 Part number
0.0010	4.8	12.5	0.6	CB20102-2J00B000	0.0010	5.2	12.5	0.6	CB20102-3A00B000	0.0010	5.7	12.5	0.6	CB20102-3B00B000
0.0018	5.1	12.5	0.6	CB20182-2J00B000	0.0012	5.3	12.5	0.6	CB20122-3A00B000	0.0012	5.8	12.5	0.6	CB20122-3B00B000
0.0022	5.2	12.5	0.6	CB20222-2J00B000	0.0015	5.5	12.5	0.6	CB20152-3A00B000	0.0015	6.1	12.5	0.6	CB20152-3B00B000
0.0027	5.3	12.5	0.6	CB20272-2J00B000	0.0018	5.6	12.5	0.6	CB20182-3A00B000	0.0018	6.3	12.5	0.6	CB20182-3B00B000
0.0033	5.4	12.5	0.6	CB20332-2J00B000	0.0022	5.8	12.5	0.6	CB20222-3A00B000	0.0022	6.5	12.5	0.6	CB20222-3B00B000
0.0039	5.6	12.5	0.6	CB20392-2J00B000	0.0027	6.0	12.5	0.6	CB20272-3A00B000	0.0027	6.1	14.7	0.6	CB20272-3B00B000
0.0047	5.8	12.5	0.6	CB20472-2J00B000	0.0033	6.3	12.5	0.6	CB20332-3A00B000	0.0033	6.3	14.7	0.6	CB20332-3B00B000
0.0056	5.9	12.5	0.6	CB20562-2J00B000	0.0039	5.8	14.7	0.6	CB20392-3A00B000	0.0039	6.6	14.7	0.6	CB20392-3B00B000
0.0068	6.2	12.5	0.6	CB20682-2J00B000	0.0047	6.0	14.7	0.6	CB20472-3A00B000	0.0047	6.9	14.7	0.6	CB20472-3B00B000
0.0082	5.9	14.7	0.6	CB20822-2J00B000	0.0056	6.3	14.7	0.6	CB20562-3A00B000	0.0056	7.2	14.7	0.8	CB20562-3B00B000
0.010	6.2	14.7	0.6	CB20103-2J00B000	0.0068	6.5	14.7	0.6	CB20682-3A00B000	0.0068	7.5	14.7	0.8	CB20682-3B00B000
0.012	6.4	14.7	0.6	CB20123-2J00B000	0.0082	6.8	14.7	0.8	CB20822-3A00B000	0.0082	8.0	14.7	0.8	CB20822-3B00B000
0.015	6.8	14.7	0.6	CB20153-2J00B000	0.010	7.2	14.7	0.8	CB20103-3A00B000	0.010	8.5	14.7	0.8	CB20103-3B00B000
0.018	7.1	14.7	0.6	CB20183-2J00B000	0.012	7.6	14.7	0.8	CB20123-3A00B000	0.012	7.4	19.7	0.8	CB20123-3B00B000
0.022	7.6	14.7	0.8	CB20223-2J00B000	0.015	8.1	14.7	0.8	CB20153-3A00B000	0.015	7.8	19.7	0.8	CB20153-3B00B000
0.027	8.1	14.7	0.8	CB20273-2J00B000	0.018	6.9	19.7	0.8	CB20183-3A00B000	0.018	8.3	19.7	0.8	CB20183-3B00B000
0.033	7.0	19.7	0.8	CB20333-2J00B000	0.022	7.2	19.7	0.8	CB20223-3A00B000	0.022	8.8	19.7	0.8	CB20223-3B00B000
0.039	7.4	19.7	0.8	CB20393-2J00B000	0.027	7.7	19.7	0.8	CB20273-3A00B000	0.027	9.5	19.7	0.8	CB20273-3B00B000
0.047	7.8	19.7	0.8	CB20473-2J00B000	0.033	8.2	19.7	0.8	CB20333-3A00B000	0.033	10.2	19.7	0.8	CB20333-3B00B000
0.056	8.2	19.7	0.8	CB20563-2J00B000	0.039	8.6	19.7	0.8	CB20393-3A00B000	0.039	9.2	28.7	0.8	CB20393-3B00B000
0.068	8.8	19.7	0.8	CB20683-2J00B000	0.047	9.2	19.7	0.8	CB20473-3A00B000	0.047	9.8	28.7	0.8	CB20473-3B00B000
0.082	9.4	19.7	0.8	CB20823-2J00B000	0.056	8.6	28.7	0.8	CB20563-3A00B000	0.056	10.3	28.7	0.8	CB20563-3B00B000
0.10	8.9	28.7	0.8	CB20104-2J00B000	0.068	9.1	28.7	0.8	CB20683-3A00B000	0.068	11.0	28.7	0.8	CB20683-3B00B000
0.12	9.4	28.7	0.8	CB20124-2J00B000	0.082	9.7	28.7	0.8	CB20823-3A00B000	0.082	11.8	28.7	0.8	CB20823-3B00B000
0.15	10.1	28.7	0.8	CB20154-2J00B000	0.10	10.3	28.7	0.8	CB20104-3A00B000	0.10	12.7	28.7	0.8	CB20104-3B00B000
0.18	10.8	28.7	0.8	CB20184-2J00B000	0.12	11.0	28.7	0.8	CB20124-3A00B000	0.12	12.9	33.7	0.8	CB20124-3B00B000
0.22	11.6	28.7	0.8	CB20224-2J00B000	0.150	11.9	33.7	0.8	CB20154-3A00B000	0.15	13.9	33.7	0.8	CB20154-3B00B000
0.27	12.5	28.7	0.8	CB20274-2J00B000	0.180	12.5	33.7	0.8	CB20184-3A00B000	0.18	14.9	33.7	0.8	CB20184-3B00B000
0.33	12.3	33.7	0.8	CB20334-2J00B000	0.22	13.3	33.7	0.8	CB20224-3A00B000	0.22	16.1	33.7	1.0	CB20224-3B00B000
0.39	13.1	33.7	0.8	CB20394-2J00B000	0.27	14.3	33.7	0.8	CB20274-3A00B000	0.27	17.5	33.7	1.0	CB20274-3B00B000
0.47	14.1	33.7	0.8	CB20474-2J00B000	0.33	15.3	33.7	1.0	CB20334-3A00B000					
0.56	15.2	33.7	0.8	CB20564-2J00B000	0.39	16.3	33.7	1.0	CB20394-3A00B000					
0.68	16.4	33.7	1.0	CB20684-2J00B000										
0.82	17.8	33.7	1.0	CB20824-2J00B000										
1.0	16.9	43.7	1.0	CB20105-2J00B000										
1.2	18.2	43.7	1.0	CB20125-2J00B000										
1.5	20.0	43.7	1.0	CB20155-2J00B000										
2.2	23.6	43.7	1.0	CB20225-2J00B000										
2.7	22.3	57.7	1.0	CB20275-2J00B000										
3.3	24.4	57.7	1.0	CB20335-2J00B000										

备注:

“-”: 客户要求的容量偏差

“-”=custom's capacitor tolerance code, J=±5%, K=±10%, M=±20%