



C31
CBB21 series

金属化聚丙烯膜电容器(浸渍型) Metallized polypropylene film capacitor(dipped)

■ 外形图 Outline Drawing

	Forming Lead Shapes			
	I	II	III	IV
	$P > F$		$P < F$	
	$0\text{mm} \leq P-F \leq 3\text{mm}$	$3\text{mm} < P-F \leq 8\text{mm}$	$3\text{mm} < F-P \leq 5\text{mm}$	$0\text{mm} < F-P \leq 3\text{mm}$

$F \pm 0.8\text{mm}; A \leq 5.0\text{mm}; B=4.5 \pm 0.5\text{mm}$

■ 特点

- 金属化聚丙烯膜
- 高频损耗小
- 内部温升小
- 阻燃环氧粉末包封(UL94 V-0)

■ 主要用途

- 广泛应用于高频、直流、交流和脉冲电路中
- 适用于要求体积小，性能优异的彩电S校正电路
- 专为大屏幕显示器及彩电的S校正电路设计
- 适用于各种高频、大电流场合

■ Features

- Metallized polypropylene film
- Low loss at high frequency
- Small inherent temperature rise
- Flame retardant epoxy resin powder coating (UL94 V-0)

■ Typical Applications

- Widely used in high frequency, DC, AC and pulse circuits
- Providing optimum performance with small size in S-correction circuits for colour TV set
- Specially designed for S-correction circuits of large screen monitor and colour TV
- Suitable for the situation where applies high frequency and high current pulse

■ 技术要求 Specifications

引用标准 Reference Standard	GB/T 14579 (IEC 60384-17)					
气候类别 Climatic Category	40/105/21					
额定温度 Rated Temperature	85℃					
工作温度 Operating Temperature Range	-40℃~105℃ (+85℃ to +105℃: decreasing factor 1.25% per ℃ for U_R)					
额定电压 Rated Voltage	100/160V, 200/250V, 400V, 630V, 1 000/1 250V					
电容量范围 Capacitance Range	0.0010μF~3.3μF					
电容量偏差 Capacitance Tolerance	± 5%(J), ± 10%(K), ± 20%(M)					
耐电压 Voltage Proof	1.6 U_R (5s)					
损耗角正切 Dissipation Factor	$\leq 10 \times 10^{-4}$ (1kHz, 20℃)					
绝缘电阻 Insulation Resistance	$> 100\ 000\text{M}\Omega$, $C_R \leq 0.33\mu\text{F}$ $> 30\ 000\text{s}$, $C_R > 0.33\mu\text{F}$ (20℃, 100V, 1min)					
最大脉冲爬升速率Maximum Pulse Rise Time (dV/dt): 若实际工作电压U比额定电压 U_R 低，电容器可工作在更高的dV/dt场合。这样dV/dt允许值应为右表值乘以 U_R/U 。 If the working voltage (U) is lower than the rated voltage (U_R), the capacitor can be worked at a higher dV/dt. In this case, the maximum allowed dV/dt is obtain by multiplying the right value with U_R/U .	Pattern I					
	$U_R(\text{V})$	dV/dt(V/μs)				
		P=7.5	P=10.0	P=15.0	P=20.0	P=25.0
	100/160	180	150	110	80	60
	200/250	660	560	310	150	110
	400	900	780	600	300	180
	630	1 500	1 200	900	400	220
	1 000	2 500	2 200	--	--	--
	Pattern II					
	$U_R(\text{V})$	dV/dt(V/μs)				
		P=7.5	P=10.0	P=15.0	P=22.5	
	100/250	660	560	310	130	
	400	900	780	600	300	
	630	1 500	1 200	900	400	
	1 000/1 250	2 500	2 200	--	--	

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:

CBB21

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

第1~3位	型号代码 C31= CBB21	Digit 1 to 3	Series code C31= CBB21
第4~5位	直流额定电压 2A=100V 2C=160V 2D=200V 2E=250V 2G=400V 2J=630V 3A=1 000V 3B=1 250V	Digit 4 to 5	DC rated voltage 2A=100V 2C=160V 2D=200V 2E=250V 2G=400V 2J=630V 3A=1 000V 3B=1 250V
第6~8位	标称容量 举例: 103=10 x 10 ³ pF=0.01μF	Digit 6 to 8	Rated capacitance value For example: 103=10 x 10 ³ pF=0.01μF
第9位	容量偏差 J= ± 5%, K= ± 10%, M= ± 20%	Digit 9	Capacitance tolerance J= ± 5%, K= ± 10%, M= ± 20%
第10位	引线脚距 P 3=7.5mm 4=10.0mm 5=12.5mm 6=15.0mm 8=20.0mm 9=22.5mm A=25.0mm C=30.0mm	Digit 10	Pitch 3=7.5mm 4=10.0mm 5=12.5mm 6=15.0mm 8=20.0mm 9=22.5mm A=25.0mm C=30.0mm
第11位	内部特征码 S= II 型	Digit 11	Internal use S=Pattern II
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

■ Table1 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	3	F=7.5mm	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)
		4	F=10.0mm			E	P3=25.4mm; H=20.0mm (For pitch=10.0/15.0mm)
		6	F=15.0mm				(Detail parameter refer to pag 18)
F	引线成型 lead kinked	4	F=10.0mm	0	B=4.5mm (the length of B)	0	B的长度偏差 ± 0.5mm B Length tolerance ± 0.5mm
		6	F=15.0mm				
		7	F=17.5mm				
		8	F=20.0mm				
		9	F=22.5mm				
Y	直脚 straight lead “Y” in the figure above	代码 Code	说明 explanation		0	引线长度偏差 ± 0.5mm Length tolerance ± 0.5mm	
		45	引线长度 4.5mm lead length 4.5mm				
第12-15位代码为 “C000” 表示标准的引线长度(20mm~30mm) Digit12-15 code “C000” means standard lead length (20mm~30mm)							



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■ 外形尺寸 Dimensions(mm)
Pattern II (Reduced sizes)

100Vdc(63Vac)/250Vdc(160Vac)#						
C _R (μF)	W max	H max	T max	P	d	Part number
0.010	9.8	7.7	4.0	7.5	0.6	C312A103-3S*****
0.011	9.8	7.8	4.2	7.5	0.6	C312A113-3S*****
0.012	9.8	7.9	4.3	7.5	0.6	C312A123-3S*****
0.013	9.8	8.0	4.4	7.5	0.6	C312A133-3S*****
0.015	9.8	7.8	4.2	7.5	0.6	C312A153-3S*****
0.016	9.8	7.9	4.3	7.5	0.6	C312A163-3S*****
0.018	9.8	8.1	4.4	7.5	0.6	C312A183-3S*****
0.020	9.8	8.2	4.6	7.5	0.6	C312A203-3S*****
0.022	9.8	8.4	4.8	7.5	0.6	C312A223-3S*****
0.024	9.8	8.6	4.9	7.5	0.6	C312A243-3S*****
0.027	9.8	7.6	4.0	7.5	0.6	C312A273-3S*****
0.030	9.8	7.7	4.1	7.5	0.6	C312A293-3S*****
0.033	9.8	7.9	4.2	7.5	0.6	C312A333-3S*****
0.036	9.8	8.0	4.4	7.5	0.6	C312A363-3S*****
0.039	9.8	8.1	4.5	7.5	0.6	C312A393-3S*****
0.043	9.8	8.3	4.7	7.5	0.6	C312A433-3S*****
0.047	9.8	8.5	4.8	7.5	0.6	C312A473-3S*****
0.051	12.3	8.0	4.3	10.0	0.6	C312A513-4S*****
0.056	12.3	8.1	4.5	10.0	0.6	C312A563-4S*****
0.062	12.3	8.3	4.6	10.0	0.6	C312A623-4S*****
0.068	12.3	8.5	4.8	10.0	0.6	C312A683-4S*****
0.075	12.3	8.6	5.0	10.0	0.6	C312A753-4S*****
0.082	12.3	8.8	5.2	10.0	0.6	C312A823-4S*****
0.091	12.3	8.1	4.5	10.0	0.6	C312A913-4S*****
0.10	12.3	8.3	4.7	10.0	0.6	C312A104-4S*****
0.11	12.3	8.5	4.8	10.0	0.6	C312A114-4S*****
0.12	12.3	8.6	5.0	10.0	0.6	C312A124-4S*****
0.13	12.3	8.6	4.9	10.0	0.6	C312A134-4S*****
0.15	12.3	8.9	5.2	10.0	0.6	C312A154-4S*****
0.16	12.3	9.0	5.4	10.0	0.6	C312A164-4S*****
0.18	12.3	9.3	5.6	10.0	0.6	C312A184-4S*****
0.20	12.3	9.5	5.9	10.0	0.6	C312A204-4S*****
0.22	12.3	9.8	6.1	10.0	0.6	C312A224-4S*****
0.24	12.3	10.0	6.4	10.0	0.6	C312A244-4S*****
0.27	17.5	10.5	5.3	15.0	0.6	C312A274-6S*****
0.30	17.5	10.8	5.5	15.0	0.6	C312A304-6S*****
0.33	17.5	11.0	5.8	15.0	0.6	C312A334-6S*****
0.36	17.5	11.2	6.0	15.0	0.6	C312A364-6S*****
0.39	17.5	11.4	6.2	15.0	0.6	C312A394-6S*****
0.43	17.5	11.6	6.4	15.0	0.6	C312A434-6S*****
0.47	17.5	11.9	6.6	15.0	0.6	C312A474-6S*****
0.51	17.5	12.1	6.9	15.0	0.6	C312A514-6S*****
0.56	17.5	12.4	7.2	15.0	0.6	C312A564-6S*****
0.62	17.5	12.7	7.5	15.0	0.8	C312A624-6S*****
0.68	17.5	13.5	7.8	15.0	0.8	C312A684-6S*****
0.75	17.5	13.9	8.2	15.0	0.8	C312A754-6S*****
0.82	17.5	14.2	8.5	15.0	0.8	C312A824-6S*****
0.91	17.5	14.9	8.9	15.0	0.8	C312A914-6S*****
1.0	17.5	15.0	9.3	15.0	0.8	C312A105-6S*****
1.1	17.5	15.5	9.7	15.0	0.8	C312A115-6S*****
1.2	25.2	14.8	7.5	22.5	0.8	C312A125-9S*****
1.3	25.2	15.1	7.8	22.5	0.8	C312A135-9S*****
1.5	25.2	15.6	8.3	22.5	0.8	C312A155-9S*****
1.6	25.2	15.9	8.6	22.5	0.8	C312A165-9S*****
1.8	25.2	16.4	9.1	22.5	0.8	C312A185-9S*****
2.0	25.2	16.9	10.1	22.5	0.8	C312A205-9S*****
2.2	25.2	18.3	9.9	22.5	0.8	C312A225-9S*****
2.4	25.2	18.7	10.4	22.5	0.8	C312A245-9S*****
2.7	25.2	19.3	11.0	22.5	0.8	C312A275-9S*****
3.0	25.2	19.9	11.6	22.5	0.8	C312A305-9S*****
3.3	25.2	20.5	12.1	22.5	0.8	C312A335-9S*****

400Vdc(200Vac)						
C _R (μF)	W max	H max	T max	P	d	Part number
0.010	9.8	7.8	4.1	7.5	0.6	C312G103-3S*****
0.011	9.8	7.9	4.2	7.5	0.6	C312G113-3S*****
0.012	9.8	8.0	4.4	7.5	0.6	C312G123-3S*****
0.013	9.8	8.1	4.5	7.5	0.6	C312G133-3S*****
0.015	9.8	8.4	4.7	7.5	0.6	C312G153-3S*****
0.016	9.8	8.5	4.8	7.5	0.6	C312G163-3S*****
0.018	9.8	8.7	5.0	7.5	0.6	C312G183-3S*****
0.020	9.8	8.9	5.3	7.5	0.6	C312G203-3S*****
0.022	9.8	9.1	5.5	7.5	0.6	C312G223-3S*****
0.024	12.3	8.0	4.3	10.0	0.6	C312G243-4S*****
0.027	12.3	8.1	4.5	10.0	0.6	C312G273-4S*****
0.030	12.3	8.3	4.7	10.0	0.6	C312G293-4S*****
0.033	12.3	8.5	4.8	10.0	0.6	C312G333-4S*****
0.036	12.3	8.6	5.0	10.0	0.6	C312G363-4S*****
0.039	12.3	8.7	5.0	10.0	0.6	C312G393-4S*****
0.043	12.3	8.8	5.2	10.0	0.6	C312G433-4S*****
0.047	12.3	9.0	5.4	10.0	0.6	C312G473-4S*****
0.051	12.3	9.2	5.6	10.0	0.6	C312G513-4S*****
0.056	12.3	9.4	5.8	10.0	0.6	C312G563-4S*****
0.062	12.3	8.9	5.2	10.0	0.6	C312G623-4S*****
0.068	12.3	9.1	5.4	10.0	0.6	C312G683-4S*****
0.075	12.3	9.3	5.7	10.0	0.6	C312G753-4S*****
0.082	12.3	9.5	5.9	10.0	0.6	C312G823-4S*****
0.091	12.3	9.8	6.1	10.0	0.6	C312G913-4S*****
0.10	12.3	10.0	6.4	10.0	0.6	C312G104-4S*****
0.11	12.3	10.3	6.6	10.0	0.6	C312G114-4S*****
0.12	17.5	10.7	5.5	15.0	0.6	C312G124-6S*****
0.13	17.5	10.9	5.7	15.0	0.6	C312G134-6S*****
0.15	17.5	11.2	6.0	15.0	0.6	C312G154-6S*****
0.16	17.5	11.3	6.1	15.0	0.6	C312G164-6S*****
0.18	17.5	11.6	6.4	15.0	0.6	C312G184-6S*****
0.20	17.5	11.9	6.7	15.0	0.6	C312G204-6S*****
0.22	17.5	12.2	7.0	15.0	0.6	C312G224-6S*****
0.24	17.5	12.5	7.3	15.0	0.6	C312G244-6S*****
0.27	17.5	12.9	7.6	15.0	0.8	C312G274-6S*****
0.30	17.5	13.7	8.0	15.0	0.8	C312G304-6S*****
0.33	17.5	14.1	8.4	15.0	0.8	C312G334-6S*****
0.36	17.5	14.4	8.7	15.0	0.8	C312G364-6S*****
0.39	17.5	14.7	9.0	15.0	0.8	C312G394-6S*****
0.43	17.5	15.1	9.4	15.0	0.8	C312G434-6S*****
0.47	17.5	15.5	9.8	15.0	0.8	C312G474-6S*****
0.51	25.2	14.8	7.6	22.5	0.8	C312G514-9S*****
0.56	25.2	15.2	7.9	22.5	0.8	C312G564-9S*****
0.62	25.2	15.6	8.3	22.5	0.8	C312G624-9S*****
0.68	25.2	15.9	9.1	22.5	0.8	C312G684-9S*****
0.75	25.2	16.3	9.6	22.5	0.8	C312G754-9S*****
0.82	25.2	16.7	10.0	22.5	0.8	C312G824-9S*****
0.91	25.2	17.2	10.5	22.5	0.8	C312G914-9S*****
1.0	25.2	17.7	10.9	22.5	0.8	C312G105-9S*****

备注: 1. “-”表示容量偏差。“-”=capacitance tolerance code, M=±20%,K=±10%,J=±5%

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250Vdc时,第4~5位是2E。“#”when the rated voltage is 250Vdc,the digit 4~5 is 2E.

■ 外形尺寸 Dimensions(mm)
Pattern II (Reduced sizes)

630Vdc(220Vac) [®]							630Vdc(220Vac) [®]							1 000/1 250Vdc# (400Vac)						
C _R (μF)	W max	H max	T max	P	d	Part number	C _R (μF)	W max	H max	T max	P	d	Part number	C _R (μF)	W max	H max	T max	P	d	Part number
0.0010	10.0	7.9	4.3	7.5	0.6	C312J102-3S****++	0.027	12.3	9.4	5.7	10.0	0.6	C312J273-4S****++	0.0010	10.0	7.9	4.3	7.5	0.6	C313A102-3S****++
0.0011	10.0	8.1	4.4	7.5	0.6	C312J112-3S****++	0.030	12.3	9.6	6.0	10.0	0.6	C312J303-4S****++	0.0011	10.0	8.1	4.4	7.5	0.6	C313A112-3S****++
0.0012	10.0	8.2	4.5	7.5	0.6	C312J122-3S****++	0.033	12.3	9.9	6.2	10.0	0.6	C312J333-4S****++	0.0012	10.0	8.2	4.5	7.5	0.6	C313A122-3S****++
0.0013	10.0	8.3	4.7	7.5	0.6	C312J132-3S****++	0.036	12.3	10.1	6.4	10.0	0.6	C312J363-4S****++	0.0013	10.0	8.3	4.7	7.5	0.6	C313A132-3S****++
0.0015	10.0	8.1	4.4	7.5	0.6	C312J152-3S****++	0.039	12.3	10.3	6.7	10.0	0.6	C312J393-4S****++	0.0015	10.0	8.1	4.4	7.5	0.6	C313A152-3S****++
0.0016	10.0	8.2	4.5	7.5	0.6	C312J162-3S****++	0.043	17.5	10.7	5.4	15.0	0.6	C312J433-6S****++	0.0016	10.0	8.2	4.5	7.5	0.6	C313A162-3S****++
0.0018	10.0	7.8	4.2	7.5	0.6	C312J182-3S****++	0.047	17.5	10.8	5.6	15.0	0.6	C312J473-6S****++	0.0018	10.0	7.8	4.2	7.5	0.6	C313A182-3S****++
0.0020	10.0	8.0	4.3	7.5	0.6	C312J202-3S****++	0.051	17.5	11.0	5.8	15.0	0.6	C312J513-6S****++	0.0020	10.0	8.0	4.3	7.5	0.6	C313A202-3S****++
0.0022	10.0	8.1	4.5	7.5	0.6	C312J222-3S****++	0.056	17.5	11.2	6.0	15.0	0.6	C312J563-6S****++	0.0022	10.0	8.1	4.5	7.5	0.6	C313A222-3S****++
0.0024	9.8	8.0	4.3	7.5	0.6	C312J242-3S****++	0.062	17.5	11.4	6.2	15.0	0.6	C312J623-6S****++	0.0024	10.0	7.7	4.0	7.5	0.6	C313A242-3S****++
0.0027	9.8	8.1	4.5	7.5	0.6	C312J272-3S****++	0.068	17.5	11.7	6.5	15.0	0.6	C312J683-6S****++	0.0027	10.0	7.8	4.2	7.5	0.6	C313A272-3S****++
0.0030	9.8	8.3	4.7	7.5	0.6	C312J302-3S****++	0.075	17.5	11.9	6.7	15.0	0.6	C312J753-6S****++	0.0030	10.0	8.0	4.4	7.5	0.6	C313A302-3S****++
0.0033	9.8	8.5	4.8	7.5	0.6	C312J332-3S****++	0.082	17.5	12.2	7.0	15.0	0.6	C312J823-6S****++	0.0033	10.0	8.2	4.5	7.5	0.6	C313A332-3S****++
0.0036	9.8	8.0	4.4	7.5	0.6	C312J362-3S****++	0.091	17.5	12.5	7.3	15.0	0.6	C312J913-6S****++	0.0036	10.0	8.3	4.7	7.5	0.6	C313A362-3S****++
0.0039	9.8	8.2	4.5	7.5	0.6	C312J392-3S****++	0.10	17.5	12.8	7.6	15.0	0.8	C312J104-6S****++	0.0039	10.0	8.4	4.8	7.5	0.6	C313A392-3S****++
0.0043	9.8	8.3	4.7	7.5	0.6	C312J432-3S****++	0.11	17.5	13.6	7.9	15.0	0.8	C312J114-6S****++	0.0043	10.0	8.2	4.5	7.5	0.6	C313A432-3S****++
0.0047	9.8	8.5	4.9	7.5	0.6	C312J472-3S****++	0.12	17.5	13.9	8.2	15.0	0.8	C312J124-6S****++	0.0047	10.0	8.3	4.7	7.5	0.6	C313A472-3S****++
0.0051	9.8	8.6	5.0	7.5	0.6	C312J512-3S****++	0.13	17.5	14.2	8.5	15.0	0.8	C312J134-6S****++	0.0051	10.0	8.5	4.8	7.5	0.6	C313A512-3S****++
0.0056	9.8	8.8	5.2	7.5	0.6	C312J562-3S****++	0.15	17.5	14.7	9.0	15.0	0.8	C312J154-6S****++	0.0056	10.0	8.7	5.0	7.5	0.6	C313A562-3S****++
0.0062	9.8	9.0	5.4	7.5	0.6	C312J622-3S****++	0.16	17.5	15.0	9.3	15.0	0.8	C312J164-6S****++	0.0062	10.0	8.7	5.0	7.5	0.6	C313A622-3S****++
0.0068	12.3	8.0	4.4	10.0	0.6	C312J682-4S****++	0.18	17.5	15.5	9.8	15.0	0.8	C312J184-6S****++	0.0068	12.0	8.9	5.2	10.0	0.6	C313A682-4S****++
0.0075	12.3	8.2	4.5	10.0	0.6	C312J752-4S****++	0.20	17.5	16.0	10.3	15.0	0.8	C312J204-6S****++	0.0075	12.0	9.1	5.4	10.0	0.6	C313A752-4S****++
0.0082	12.3	8.3	4.7	10.0	0.6	C312J822-4S****++	0.22	25.2	15.2	7.9	22.5	0.8	C312J224-9S****++	0.0082	12.0	9.3	5.6	10.0	0.6	C313A822-4S****++
0.0091	12.3	8.5	4.9	10.0	0.6	C312J912-4S****++	0.24	25.2	15.5	8.2	22.5	0.8	C312J244-9S****++	0.0091	12.0	9.5	5.9	10.0	0.6	C313A912-4S****++
0.010	12.3	7.8	4.1	10.0	0.6	C312J103-4S****++	0.27	25.2	15.9	9.2	22.5	0.8	C312J274-9S****++	0.010	12.0	9.9	6.3	10.0	0.6	C313A103-4S****++
0.011	12.3	7.9	4.2	10.0	0.6	C312J113-4S****++	0.30	25.2	16.4	9.6	22.5	0.8	C312J304-9S****++							
0.012	12.3	8.0	4.4	10.0	0.6	C312J123-4S****++	0.33	25.2	16.8	10.0	22.5	0.8	C312J334-9S****++							
0.013	12.3	8.1	4.5	10.0	0.6	C312J133-4S****++	0.36	25.2	17.2	10.4	22.5	0.8	C312J364-9S****++							
0.015	12.3	8.3	4.7	10.0	0.6	C312J153-4S****++	0.39	25.2	17.6	10.8	22.5	0.8	C312J394-9S****++							
0.016	12.3	8.5	4.8	10.0	0.6	C312J163-4S****++	0.43	25.2	18.1	11.3	22.5	0.8	C312J434-9S****++							
0.018	12.3	8.6	4.9	10.0	0.6	C312J183-4S****++	0.47	25.2	18.6	11.8	22.5	0.8	C312J474-9S****++							
0.020	12.3	8.8	5.1	10.0	0.6	C312J203-4S****++	0.51	25.2	19.0	12.2	22.5	0.8	C312J514-9S****++							
0.022	12.3	8.9	5.3	10.0	0.6	C312J223-4S****++	0.56	25.2	19.6	12.8	22.5	0.8	C312J564-9S****++							
0.024	12.3	9.1	5.5	10.0	0.6	C312J243-4S****++														

- 备注: 1. “-”表示容量偏差。“-”=capacitance tolerance code, M=±20%,K=±10%,J=±5%
 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1 250Vdc时,第4~5位是3B。“#”when the rated voltage is 1 250Vdc,the digit 4~5 is 3B.
 4. “@” Not suitable for across-the-line applications. Pls refer to Interference Suppression Capacitors(Pag. 116)



C31
CBB21 series

■ 外形尺寸 Dimensions(mm)
Pattern I (High performance)

100Vdc(63Vac)/160Vdc(90Vac)#							250Vdc(160Vac)							400Vdc(200Vac)						
C _R (μF)	W max	H max	T max	P	d	Part number	C _R (μF)	W max	H max	T max	P	d	Part number	C _R (μF)	W max	H max	T max	P	d	Part number
0.010	10.0	10.0	6.0	7.5	0.6	C312A103-30****++	0.010	10.0	10.0	6.0	7.5	0.6	C312E103-30****++	0.010	10.0	10.0	6.0	7.5	0.6	C312G103-30****++
0.011	10.0	10.0	6.0	7.5	0.6	C312A113-30****++	0.011	10.0	10.0	6.0	7.5	0.6	C312E113-30****++	0.011	10.0	10.0	6.0	7.5	0.6	C312G113-30****++
0.012	10.0	10.5	6.5	7.5	0.6	C312A123-30****++	0.012	10.0	10.5	6.5	7.5	0.6	C312E123-30****++	0.012	10.0	10.5	6.5	7.5	0.6	C312G123-30****++
0.013	10.0	10.5	6.5	7.5	0.6	C312A133-30****++	0.013	10.0	9.0	6.5	7.5	0.6	C312E133-30****++	0.013	10.0	10.5	6.5	7.5	0.6	C312G133-30****++
0.015	10.0	11.0	7.0	7.5	0.6	C312A153-30****++	0.015	10.0	9.5	6.0	7.5	0.6	C312E153-30****++	0.015	10.0	11.0	7.0	7.5	0.6	C312G153-30****++
0.016	10.0	11.0	7.0	7.5	0.6	C312A163-30****++	0.016	10.0	9.5	6.0	7.5	0.6	C312E163-30****++	0.016	10.0	11.0	7.0	7.5	0.6	C312G163-30****++
0.018	10.0	11.0	7.5	7.5	0.6	C312A183-30****++	0.018	10.0	10.0	6.0	7.5	0.6	C312E183-30****++	0.018	10.0	11.0	7.5	7.5	0.6	C312G183-30****++
0.020	10.0	9.0	5.0	7.5	0.6	C312A203-30****++	0.020	10.0	9.0	5.0	7.5	0.6	C312E203-30****++	0.020	10.0	11.5	7.5	7.5	0.6	C312G203-30****++
0.022	10.0	9.0	5.5	7.5	0.6	C312A223-30****++	0.022	10.0	9.0	5.5	7.5	0.6	C312E223-30****++	0.022	10.0	12.0	8.0	7.5	0.6	C312G223-30****++
0.024	10.0	9.0	5.5	7.5	0.6	C312A243-30****++	0.024	10.0	9.5	5.5	7.5	0.6	C312E243-30****++	0.024	13.0	10.5	6.5	10.0	0.6	C312G243-40****++
0.027	10.0	9.5	5.5	7.5	0.6	C312A273-30****++	0.027	10.0	9.5	5.5	7.5	0.6	C312E273-30****++	0.027	13.0	12.0	6.5	10.0	0.6	C312G273-40****++
0.030	10.0	9.5	6.0	7.5	0.6	C312A303-30****++	0.030	10.0	9.5	6.0	7.5	0.6	C312E303-30****++	0.030	13.0	12.0	6.5	10.0	0.6	C312G303-40****++
0.033	10.0	10.0	6.0	7.5	0.6	C312A333-30****++	0.033	10.0	10.0	6.0	7.5	0.6	C312E333-30****++	0.033	13.0	12.0	7.0	10.0	0.6	C312G333-40****++
0.036	10.0	10.0	6.0	7.5	0.6	C312A363-30****++	0.036	10.0	10.0	6.0	7.5	0.6	C312E363-30****++	0.036	13.0	12.5	7.0	10.0	0.6	C312G363-40****++
0.039	10.0	10.0	6.5	7.5	0.6	C312A393-30****++	0.039	10.0	10.0	6.5	7.5	0.6	C312E393-30****++	0.039	13.0	12.5	7.0	10.0	0.6	C312G393-40****++
0.043	10.0	10.5	6.5	7.5	0.6	C312A433-30****++	0.043	10.0	10.5	6.5	7.5	0.6	C312E433-30****++	0.043	13.0	13.0	7.5	10.0	0.6	C312G433-40****++
0.047	10.0	10.5	7.0	7.5	0.6	C312A473-30****++	0.047	10.0	10.5	7.0	7.5	0.6	C312E473-30****++	0.047	13.0	13.0	8.0	10.0	0.6	C312G473-40****++
0.051	10.0	9.0	5.5	7.5	0.6	C312A513-30****++	0.051	13.0	10.0	6.0	10.0	0.6	C312E513-40****++	0.051	13.0	13.5	8.0	10.0	0.6	C312G513-40****++
0.056	10.0	9.0	5.5	7.5	0.6	C312A563-30****++	0.056	13.0	10.0	6.5	10.0	0.6	C312E563-40****++	0.056	13.0	14.0	8.5	10.0	0.6	C312G563-40****++
0.062	10.0	9.5	5.5	7.5	0.6	C312A623-30****++	0.062	13.0	10.5	6.5	10.0	0.6	C312E623-40****++	0.062	19.0	12.0	6.5	15.0	0.6	C312G623-60****++
0.068	10.0	9.5	6.0	7.5	0.6	C312A683-30****++	0.068	13.0	10.5	7.0	10.0	0.6	C312E683-40****++	0.068	19.0	13.5	6.5	15.0	0.6	C312G683-60****++
0.075	10.0	9.5	6.0	7.5	0.6	C312A753-30****++	0.075	13.0	11.0	7.0	10.0	0.6	C312E753-40****++	0.075	19.0	13.5	6.5	15.0	0.6	C312G753-60****++
0.082	10.0	10.5	6.0	7.5	0.6	C312A823-30****++	0.082	13.0	10.5	6.0	10.0	0.6	C312E823-40****++	0.082	19.0	13.5	7.0	15.0	0.6	C312G823-60****++
0.091	10.0	10.5	6.0	7.5	0.6	C312A913-30****++	0.091	13.0	11.0	6.0	10.0	0.6	C312E913-40****++	0.091	19.0	14.0	7.0	15.0	0.6	C312G913-60****++
0.10	10.0	10.5	6.5	7.5	0.6	C312A104-30****++	0.10	13.0	11.0	6.5	10.0	0.6	C312E104-40****++	0.10	19.0	14.5	7.5	15.0	0.6	C312G104-60****++
0.11	10.0	11.0	6.5	7.5	0.6	C312A114-30****++	0.11	13.0	11.0	6.5	10.0	0.6	C312E114-40****++	0.11	19.0	14.5	8.0	15.0	0.6	C312G114-60****++
0.12	10.0	11.0	6.5	7.5	0.6	C312A124-30****++	0.12	13.0	11.5	7.0	10.0	0.6	C312E124-40****++	0.12	19.0	15.0	8.0	15.0	0.6	C312G124-60****++
0.13	13.0	10.5	6.0	10.0	0.6	C312A134-40****++	0.13	19.0	12.0	6.5	15.0	0.6	C312E134-60****++	0.13	19.0	15.0	8.5	15.0	0.6	C312G134-60****++
0.15	13.0	11.0	6.5	10.0	0.6	C312A154-40****++	0.15	19.0	12.0	7.0	15.0	0.6	C312E154-60****++	0.15	19.0	15.5	9.0	15.0	0.6	C312G154-60****++
0.16	13.0	11.0	6.5	10.0	0.6	C312A164-40****++	0.16	19.0	12.5	7.0	15.0	0.6	C312E164-60****++	0.16	19.0	16.0	9.0	15.0	0.8	C312G164-60****++
0.18	13.0	12.0	6.5	10.0	0.6	C312A184-40****++	0.18	19.0	13.5	7.0	15.0	0.6	C312E184-60****++	0.18	24.0	15.0	8.0	20.0	0.8	C312G184-80****++
0.20	13.0	12.0	7.0	10.0	0.6	C312A204-40****++	0.20	19.0	14.0	7.0	15.0	0.6	C312E204-60****++	0.20	24.0	15.0	8.5	20.0	0.8	C312G204-80****++
0.22	13.0	12.5	7.0	10.0	0.6	C312A224-40****++	0.22	19.0	14.0	7.5	15.0	0.6	C312E224-60****++	0.22	24.0	16.0	8.5	20.0	0.8	C312G224-80****++
0.24	13.0	12.5	7.5	10.0	0.6	C312A244-40****++	0.24	19.0	14.5	7.5	15.0	0.6	C312E244-60****++	0.24	24.0	16.0	9.0	20.0	0.8	C312G244-80****++
0.27	13.0	13.0	7.5	10.0	0.6	C312A274-40****++	0.27	19.0	15.0	8.0	15.0	0.6	C312E274-60****++	0.27	24.0	16.5	9.5	20.0	0.8	C312G274-80****++
0.30	19.0	11.5	6.5	15.0	0.6	C312A304-60****++	0.30	19.0	15.0	8.5	15.0	0.6	C312E304-60****++	0.30	24.0	17.0	10.0	20.0	0.8	C312G304-80****++
0.33	19.0	12.0	6.5	15.0	0.6	C312A334-60****++	0.33	19.0	15.5	9.0	15.0	0.6	C312E334-60****++	0.33	24.0	17.5	10.0	20.0	0.8	C312G334-80****++
0.36	19.0	12.0	7.0	15.0	0.6	C312A364-60****++	0.36	24.0	14.0	8.5	20.0	0.8	C312E364-80****++	0.36	29.0	16.5	9.5	25.0	0.8	C312G364-A0****++
0.39	19.0	12.5	7.0	15.0	0.6	C312A394-60****++	0.39	24.0	14.5	8.5	20.0	0.8	C312E394-80****++	0.39	29.0	17.0	9.5	25.0	0.8	C312G394-A0****++
0.43	19.0	12.5	7.5	15.0	0.6	C312A434-60****++	0.43	24.0	15.0	8.5	20.0	0.8	C312E434-80****++	0.43	29.0	17.5	10.0	25.0	0.8	C312G434-A0****++
0.47	19.0	13.0	7.5	15.0	0.6	C312A474-60****++	0.47	24.0	15.0	9.0	20.0	0.8	C312E474-80****++	0.47	29.0	18.5	10.0	25.0	0.8	C312G474-A0****++
0.51	19.0	13.0	8.0	15.0	0.6	C312A514-60****++	0.51	24.0	15.5	9.5	20.0	0.8	C312E514-80****++	0.51	29.0	19.0	10.5	25.0	0.8	C312G514-A0****++
0.56	19.0	13.5	8.0	15.0	0.6	C312A564-60****++	0.56	24.0	16.0	10.0	20.0	0.8	C312E564-80****++	0.56	29.0	19.5	11.0	25.0	0.8	C312G564-A0****++
0.62	19.0	13.5	8.5	15.0	0.6	C312A624-60****++	0.62	24.0	16.5	10.0	20.0	0.8	C312E624-80****++	0.62	29.0	20.0	11.5	25.0	0.8	C312G624-A0****++
0.68	19.0	14.0	9.0	15.0	0.6	C312A684-60****++	0.68	24.0	17.5	10.5	20.0	0.8	C312E684-80****++	0.68	29.0	19.5	12.0	25.0	0.8	C312G684-A0****++
0.75	19.0	14.5	9.5	15.0	0.8	C312A754-60****++	0.75	24.0	18.0	11.0	20.0	0.8	C312E754-80****++	0.75	29.0	21.0	12.5	25.0	0.8	C312G754-A0****++
0.82	19.0	15.0	9.5	15.0	0.8	C312A824-60****++	0.82	24.0	18.5	11.5	20.0	0.8	C312E824-80****++	0.82	34.0	20.5	12.0	30.0	0.8	C312G824-C0****++

■ 外形尺寸 Dimensions(mm)
Pattern I (High performance)

630Vdc(220Vac) [@]							630Vdc(220Vac) [@]							1 000Vdc(400Vac)						
C _R (μF)	W max	H max	T max	P	d	Part number	C _R (μF)	W max	H max	T max	P	d	Part number	C _R (μF)	W max	H max	T max	P	d	Part number
0.0010	10.0	9.0	5.5	7.5	0.6	C312J102-30****+++	0.024	19.0	12.0	6.5	15.0	0.6	C312J243-60****+++	0.0010	10.0	9.0	5.5	7.5	0.6	C313A102-30****+++
0.0011	10.0	9.0	5.5	7.5	0.6	C312J112-30****+++	0.027	19.0	12.0	7.0	15.0	0.6	C312J273-60****+++	0.0011	10.0	9.0	5.5	7.5	0.6	C313A112-30****+++
0.0012	10.0	9.0	5.0	7.5	0.6	C312J122-30****+++	0.030	19.0	12.5	7.0	15.0	0.6	C312J303-60****+++	0.0012	10.0	9.0	5.0	7.5	0.6	C313A122-30****+++
0.0013	10.0	9.0	5.0	7.5	0.6	C312J132-30****+++	0.033	19.0	12.5	7.5	15.0	0.6	C312J333-60****+++	0.0013	10.0	9.0	5.0	7.5	0.6	C313A132-30****+++
0.0015	10.0	9.0	5.0	7.5	0.6	C312J152-30****+++	0.036	19.0	13.0	8.0	15.0	0.6	C312J363-60****+++	0.0015	10.0	9.0	5.0	7.5	0.6	C313A152-30****+++
0.0016	10.0	9.0	5.5	7.5	0.6	C312J162-30****+++	0.039	19.0	13.0	8.0	15.0	0.6	C312J393-60****+++	0.0016	10.0	9.0	5.5	7.5	0.6	C313A162-30****+++
0.0018	10.0	9.0	5.5	7.5	0.6	C312J182-30****+++	0.043	19.0	13.5	8.0	15.0	0.6	C312J433-60****+++	0.0018	10.0	9.0	5.5	7.5	0.6	C313A182-30****+++
0.0020	10.0	9.0	5.5	7.5	0.6	C312J202-30****+++	0.047	19.0	13.5	8.5	15.0	0.6	C312J473-60****+++	0.0020	10.0	9.0	5.5	7.5	0.6	C313A202-30****+++
0.0022	10.0	9.0	6.0	7.5	0.6	C312J222-30****+++	0.051	19.0	14.0	9.0	15.0	0.8	C312J513-60****+++	0.0022	10.0	9.0	6.0	7.5	0.6	C313A222-30****+++
0.0024	10.0	9.0	5.0	7.5	0.6	C312J242-30****+++	0.056	19.0	15.0	8.5	15.0	0.8	C312J563-60****+++	0.0024	10.0	10.0	6.0	7.5	0.6	C313A242-30****+++
0.0027	10.0	9.0	5.0	7.5	0.6	C312J272-30****+++	0.062	19.0	15.5	9.0	15.0	0.8	C312J623-60****+++	0.0027	10.0	10.0	6.0	7.5	0.6	C313A272-30****+++
0.0030	10.0	9.0	5.0	7.5	0.6	C312J302-30****+++	0.068	24.0	14.5	8.0	20.0	0.8	C312J683-80****+++	0.0030	10.0	10.0	6.5	7.5	0.6	C313A302-30****+++
0.0033	10.0	9.0	5.5	7.5	0.6	C312J332-30****+++	0.075	24.0	15.0	8.0	20.0	0.8	C312J753-80****+++	0.0033	10.0	10.0	6.5	7.5	0.6	C313A332-30****+++
0.0036	10.0	9.0	5.5	7.5	0.6	C312J362-30****+++	0.082	24.0	15.0	8.5	20.0	0.8	C312J823-80****+++	0.0036	10.0	10.5	7.0	7.5	0.6	C313A362-30****+++
0.0039	10.0	9.0	5.5	7.5	0.6	C312J392-30****+++	0.091	24.0	15.5	8.5	20.0	0.8	C312J913-80****+++	0.0039	10.0	10.5	7.0	7.5	0.6	C313A392-30****+++
0.0043	10.0	9.5	6.0	7.5	0.6	C312J432-30****+++	0.10	24.0	16.0	9.0	20.0	0.8	C312J104-80****+++	0.0043	10.0	10.5	7.0	7.5	0.6	C313A432-30****+++
0.0047	10.0	9.5	6.0	7.5	0.6	C312J472-30****+++	0.11	24.0	16.0	9.5	20.0	0.8	C312J114-80****+++	0.0047	10.0	11.0	7.5	7.5	0.6	C313A472-30****+++
0.0051	10.0	9.5	6.5	7.5	0.6	C312J512-30****+++	0.12	24.0	16.5	10.0	20.0	0.8	C312J124-80****+++	0.0051	10.0	11.0	7.5	7.5	0.6	C313A512-30****+++
0.0056	10.0	10.0	6.5	7.5	0.6	C312J562-30****+++	0.13	24.0	17.0	10.0	20.0	0.8	C312J134-80****+++	0.0056	10.0	11.5	8.0	7.5	0.6	C313A562-30****+++
0.0062	10.0	10.0	6.5	7.5	0.6	C312J622-30****+++	0.15	24.0	17.5	10.5	20.0	0.8	C312J154-80****+++	0.0062	10.0	11.5	8.5	7.5	0.6	C313A622-30****+++
0.0068	12.5	9.0	5.5	10.0	0.6	C312J682-40****+++	0.16	24.0	18.0	11.0	20.0	0.8	C312J164-80****+++	0.0068	12.5	10.5	7.0	10.0	0.6	C313A682-40****+++
0.0075	12.5	9.0	6.0	10.0	0.6	C312J752-40****+++	0.18	24.0	19.5	11.0	20.0	0.8	C312J184-80****+++	0.0075	12.5	10.5	7.0	10.0	0.6	C313A752-40****+++
0.0082	12.5	9.0	6.0	10.0	0.6	C312J822-40****+++	0.20	29.0	19.0	10.0	25.0	0.8	C312J204-A0****+++	0.0082	12.5	10.5	7.0	10.0	0.6	C313A822-40****+++
0.0091	12.5	9.5	6.0	10.0	0.6	C312J912-40****+++	0.22	29.0	19.5	10.0	25.0	0.8	C312J224-A0****+++	0.0091	12.5	11.0	7.5	10.0	0.6	C313A912-40****+++
0.010	13.0	11.0	6.0	10.0	0.6	C312J103-40****+++	0.24	29.0	20.0	10.5	25.0	0.8	C312J244-A0****+++							
0.011	13.0	11.5	6.5	10.0	0.6	C312J113-40****+++	0.27	29.0	20.5	11.5	25.0	0.8	C312J274-A0****+++							
0.012	13.0	11.5	6.5	10.0	0.6	C312J123-40****+++	0.30	29.0	21.5	11.5	25.0	0.8	C312J304-A0****+++							
0.013	13.0	11.5	7.0	10.0	0.6	C312J133-40****+++	0.33	29.0	22.0	12.0	25.0	0.8	C312J334-A0****+++							
0.015	13.0	12.0	7.0	10.0	0.6	C312J153-40****+++	0.36	29.0	22.5	12.5	25.0	0.8	C312J364-A0****+++							
0.016	13.0	12.0	7.5	10.0	0.6	C312J163-40****+++	0.39	34.0	20.5	12.5	30.0	0.8	C312J394-C0****+++							
0.018	13.0	13.0	7.5	10.0	0.6	C312J183-40****+++	0.43	34.0	21.5	13.0	30.0	0.8	C312J434-C0****+++							
0.020	13.0	13.5	8.0	10.0	0.6	C312J203-40****+++	0.47	34.0	22.0	13.5	30.0	0.8	C312J474-C0****+++							
0.022	13.0	13.5	8.0	10.0	0.6	C312J223-40****+++	0.51	34.0	22.5	14.0	30.0	0.8	C312J514-C0****+++							
							0.56	34.0	23.0	14.5	30.0	0.8	C312J564-C0****+++							

- 备注: 1. “-” 表示容量偏差。 “-” =capacitance tolerance code, M= ± 20%,K= ± 10%,J= ± 5%
2. “****” 表示引线加工和包装代码(见表1)。“****” =lead form and packaging code(refer to table 1)
3. “@” Not suitable for across-the-line applications. Pls refer to Interference Suppression Capacitors(Pag. 116)