



C13
CBB13 series

无感箔式聚丙烯膜电容器 Polypropylene film/foil capacitor (Non-inductive)

■ 外形图 Outline Drawing

	Forming Lead Shapes			
	I	II	III	IV
	P > F		P < F	
	0mm ≤ P-F ≤ 3mm	3mm < P-F ≤ 8mm	3mm < F-P ≤ 5mm	0mm < F-P ≤ 3mm
	F ± 0.8mm; A ≤ 5.0mm; B=4.5 ± 0.5mm			

■ 特点

- 膜箔式电容器，无感卷绕结构，浸渍型
- 优异的频率和温度特性
- 即使在高频下，损耗也极小
- 阻燃环氧粉末包封（UL94/V-0）

■ 主要用途

- 广泛用于高频、直流和脉冲电路中

■ 技术要求 Specifications

引用标准 Reference Standard	GB/T 10188(IEC 60384-13)
气候类别 Climatic Category	40/105/21
额定温度 Rated Temperature	85°C
工作温度 Operating Temperature Range	-40°C ~ 105°C (+85°C to +105°C: decreasing factor 1.25% per °C for U _R)
额定电压 Rated Voltage	100V, 160V, 200V, 250V, 400V, 630V, 800V
电容量范围 Capacitance Range	0.0010μF ~ 0.10μF
电容量偏差 Capacitance Tolerance	± 2%(G), ± 5%(J), ± 10%(K)
耐电压 Voltage Proof	2.0U _R (5s)
损耗角正切 Dissipation Factor	≤ 10 × 10 ⁻⁴ (1kHz, 20°C)
绝缘电阻 Insulation Resistance	R ≥ 50 000MΩ, C _N ≤ 0.1μF RC _N ≥ 5 000s, C _N > 0.1μF (20°C, 100V, 1min)

■ Features

- Film/foil, non-inductive wound type, dipped
- Excellent frequency and temperature characteristics
- Very small loss even at high frequency
- Flame retardant epoxy resin powder coating (UL94/V-0)

■ Typical Application

- Widely used in high frequency, DC and pulse circuits

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	1	3															

第1~3位	型号代码	Digit 1 to 3	Series code
	C13=CBB13		C13= CBB13
第4~5位	直流额定电压	Digit 4 to 5	DC rated voltage
	2A=100V 2C=160V 2D=200V 2E=250V		2A=100V 2C=160V 2D=200V 2E=250V
	2G=400V 2J=630V 2K=800V		2G=400V 2J=630V 2K=800V
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
	G= ± 2%, J= ± 5%, K= ± 10%		G= ± 2%, J= ± 5%, K= ± 10%
第10位	引线脚距P	Digit 10	Pitch
	0代表所有的脚距		0=all the pitch
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	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
		4	F=10.0mm			E	P3=25.4mm;H=20.0mm
		6	F=15.0mm				(Detail parameter refer to pag 18)
F	引线成型 lead kinked	3	F=7.5mm	0	B=4.5mm (the length of B)	0	B 的长度偏差 ± 0.5mm B Length tolerance ± 0.5mm
		4	F=10.0mm				
		6	F=15.0mm				
		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				



C13
CBB13 series

■ 外形尺寸 Dimensions (mm)

100Vdc						
C _N (μF)	W max	H max	T max	P	d	Part number
0.0010	9.0	8.5	4.5	6.5	0.6	C132A102-00****+
0.0012	9.0	9.0	5.0	6.5	0.6	C132A122-00****+
0.0015	9.0	9.5	5.5	6.5	0.6	C132A152-00****+
0.0016	9.0	9.5	5.5	6.5	0.6	C132A162-00****+
0.0018	9.0	9.5	5.5	6.5	0.6	C132A182-00****+
0.0020	9.0	8.5	4.5	6.5	0.6	C132A202-00****+
0.0022	9.0	8.5	4.5	6.5	0.6	C132A332-00****+
0.0024	9.0	8.5	5.0	6.5	0.6	C132A242-00****+
0.0027	9.0	9.0	5.0	6.5	0.6	C132A272-00****+
0.0030	9.0	9.0	5.0	6.5	0.6	C132A302-00****+
0.0033	9.0	9.0	5.5	6.5	0.6	C132A332-00****+
0.0036	9.0	9.5	5.5	6.5	0.6	C132A362-00****+
0.0039	9.0	9.5	5.5	6.5	0.6	C132A392-00****+
0.0043	9.0	9.0	5.0	6.5	0.6	C132A432-00****+
0.0047	9.0	9.0	5.0	6.5	0.6	C132A472-00****+
0.0051	9.0	9.5	5.5	6.5	0.6	C132A512-00****+
0.0056	9.0	9.5	5.5	6.5	0.6	C132A562-00****+
0.0062	9.0	9.5	6.0	6.5	0.6	C132A622-00****+
0.0068	9.0	10.0	6.0	6.5	0.6	C132A682-00****+
0.0075	10.0	9.5	6.0	7.5	0.6	C132A752-00****+
0.0082	10.0	10.0	6.0	7.5	0.6	C132A822-00****+
0.0091	10.0	10.0	6.0	7.5	0.6	C132A912-00****+
0.010	10.0	10.5	6.5	7.5	0.6	C132A103-00****+
0.012	10.0	11.0	7.0	7.5	0.6	C132A123-00****+
0.015	12.0	10.5	6.5	8.5	0.6	C132A153-00****+
0.016	12.0	10.5	6.5	8.5	0.6	C132A163-00****+
0.018	12.0	10.5	7.0	8.5	0.6	C132A183-00****+
0.020	12.0	11.0	7.0	8.5	0.6	C132A203-00****+
0.022	12.0	11.0	7.5	8.5	0.6	C132A243-00****+
0.024	12.0	11.5	7.5	8.5	0.6	C132A273-00****+
0.027	12.0	12.0	8.0	8.5	0.6	C132A273-00****+
0.030	13.5	11.5	6.5	10.0	0.6	C132A303-00****+
0.033	13.5	11.5	7.0	10.0	0.6	C132A333-00****+
0.036	13.5	12.0	7.0	10.0	0.6	C132A363-00****+
0.039	13.5	12.0	7.5	10.0	0.6	C132A393-00****+
0.043	13.5	12.5	7.5	10.0	0.6	C132A433-00****+
0.047	13.5	12.5	8.0	10.0	0.6	C132A473-00****+
0.051	13.5	13.0	8.0	10.0	0.6	C132A513-00****+
0.056	13.5	13.0	8.5	10.0	0.6	C132A563-00****+
0.062	17.0	12.5	7.5	13.0	0.6	C132A623-00****+
0.068	17.0	13.0	7.5	13.0	0.6	C132A683-00****+
0.075	17.0	13.0	8.0	13.0	0.6	C132A753-00****+
0.082	17.0	13.5	8.0	13.0	0.6	C132A823-00****+
0.091	17.0	14.0	8.5	13.0	0.6	C132A913-00****+
0.10	17.0	14.0	8.5	13.0	0.6	C132A104-00****+

160Vdc						
C _N (μF)	W max	H max	T max	P	d	Part number
0.0010	10.0	9.0	5.0	6.5	0.6	C132C102-00****+
0.0012	10.0	9.5	5.5	6.5	0.6	C132C122-00****+
0.0015	10.0	9.5	5.5	6.5	0.6	C132C152-00****+
0.0016	10.0	9.5	5.5	6.5	0.6	C132C162-00****+
0.0018	10.0	10.0	6.0	6.5	0.6	C132C182-00****+
0.0020	10.0	9.0	5.5	6.5	0.6	C132C202-00****+
0.0022	10.0	9.5	5.5	6.5	0.6	C132C332-00****+
0.0024	10.0	9.5	5.5	6.5	0.6	C132C242-00****+
0.0027	10.0	9.5	5.5	6.5	0.6	C132C272-00****+
0.0030	10.0	10.0	6.0	6.5	0.6	C132C302-00****+
0.0033	10.0	10.0	6.0	6.5	0.6	C132C332-00****+
0.0036	10.0	10.0	6.0	6.5	0.6	C132C362-00****+
0.0039	10.0	10.0	6.5	6.5	0.6	C132C392-00****+
0.0043	10.0	10.5	6.5	6.5	0.6	C132C432-00****+
0.0047	10.0	10.5	6.5	6.5	0.6	C132C472-00****+
0.0051	12.0	10.0	5.5	8.5	0.6	C132C512-00****+
0.0056	12.0	10.5	5.5	8.5	0.6	C132C562-00****+
0.0062	12.0	10.5	6.0	8.5	0.6	C132C622-00****+
0.0068	12.0	10.5	6.0	8.5	0.6	C132C682-00****+
0.0075	12.0	11.0	6.0	8.5	0.6	C132C752-00****+
0.0082	12.0	11.0	6.5	8.5	0.6	C132C822-00****+
0.0091	12.0	11.0	6.5	8.5	0.6	C132C912-00****+
0.010	12.0	11.5	6.5	8.5	0.6	C132C103-00****+
0.012	12.0	12.0	7.0	8.5	0.6	C132C123-00****+
0.015	12.0	12.5	7.5	8.5	0.6	C132C153-00****+
0.016	12.0	12.5	8.0	8.5	0.6	C132C163-00****+
0.018	12.0	13.0	8.0	8.5	0.6	C132C183-00****+
0.020	15.0	12.0	7.0	11.0	0.6	C132C203-00****+
0.022	15.0	12.5	7.0	11.0	0.6	C132C223-00****+
0.024	15.0	12.5	7.0	11.0	0.6	C132C243-00****+
0.027	15.0	12.5	7.5	11.0	0.6	C132C273-00****+
0.030	17.0	12.0	7.0	13.0	0.6	C132C303-00****+
0.033	17.0	12.5	7.5	13.0	0.6	C132C333-00****+
0.036	17.0	12.5	7.5	13.0	0.6	C132C363-00****+
0.039	17.0	13.0	7.5	13.0	0.6	C132C393-00****+
0.043	17.0	13.0	8.0	13.0	0.6	C132C433-00****+
0.047	17.0	13.5	8.5	13.0	0.6	C132C473-00****+
0.051	17.0	14.0	8.5	13.0	0.6	C132C513-00****+
0.056	17.0	14.0	9.0	13.0	0.6	C132C563-00****+
0.062	17.0	14.5	9.0	13.0	0.6	C132C623-00****+
0.068	17.0	15.0	9.5	13.0	0.6	C132C683-00****+
0.075	22.5	13.5	8.0	19.0	0.8	C132C753-00****+
0.082	22.5	13.5	8.5	19.0	0.8	C132C823-00****+
0.091	22.5	14.0	9.0	19.0	0.8	C132C913-00****+
0.10	22.5	14.5	9.0	19.0	0.8	C132C104-00****+

200Vdc						
C _N (μF)	W max	H max	T max	P	d	Part number
0.0010	14.5	10.0	6.0	11.0	0.6	C132D102-00****+
0.0012	14.5	10.5	6.5	11.0	0.6	C132D122-00****+
0.0015	14.5	10.5	6.5	11.0	0.6	C132D152-00****+
0.0016	14.5	10.5	6.0	11.0	0.6	C132D162-00****+
0.0018	14.5	11.0	6.0	11.0	0.6	C132D182-00****+
0.0020	14.5	11.0	6.5	11.0	0.6	C132D202-00****+
0.0022	14.5	11.0	6.5	11.0	0.6	C132D222-00****+
0.0024	14.5	11.5	6.5	11.0	0.6	C132D242-00****+
0.0027	14.5	11.5	7.0	11.0	0.6	C132D272-00****+
0.0030	14.5	11.5	7.0	11.0	0.6	C132D302-00****+
0.0033	14.5	12.0	7.0	11.0	0.6	C132D332-00****+
0.0036	14.5	12.0	7.5	11.0	0.6	C132D362-00****+
0.0039	14.5	12.5	7.5	11.0	0.6	C132D392-00****+
0.0043	14.5	12.5	8.0	11.0	0.6	C132D432-00****+
0.0047	14.5	13.0	8.0	11.0	0.6	C132D472-00****+
0.0051	18.0	11.5	6.5	14.0	0.6	C132D512-00****+
0.0056	18.0	12.0	6.5	14.0	0.6	C132D562-00****+
0.0062	18.0	12.0	7.0	14.0	0.6	C132D622-00****+
0.0068	18.0	12.5	7.0	14.0	0.6	C132D682-00****+
0.0075	18.0	12.5	7.5	14.0	0.6	C132D752-00****+
0.0082	18.0	13.0	7.5	14.0	0.6	C132D822-00****+
0.0091	18.0	14.0	7.5	14.0	0.6	C132D912-00****+
0.010	18.0	14.5	7.5	14.0	0.6	C132D103-00****+
0.012	18.0	15.0	8.0	14.0	0.6	C132D123-00****+
0.015	18.0	11.0	6.0	14.0	0.6	C132D153-00****+
0.016	18.0	11.0	6.0	14.0	0.6	C132D163-00****+
0.018	18.0	11.5	6.0	14.0	0.6	C132D183-00****+
0.020	18.0	11.5	6.5	14.0	0.6	C132D203-00****+
0.022	18.0	11.5	6.5	14.0	0.6	C132D223-00****+
0.024	18.0	12.0	6.5	14.0	0.6	C132D243-00****+
0.027	18.0	13.5	6.5	14.0	0.6	C132D273-00****+
0.030	18.0	13.5	6.5	14.0	0.6	C132D303-00****+
0.033	18.0	13.5	7.0	14.0	0.6	C132D333-00****+
0.036	18.0	14.0	7.0	14.0	0.6	C132D363-00****+
0.039	18.0	14.5	7.5	14.0	0.6	C132D393-00****+
0.043	18.0	14.5	7.5	14.0	0.6	C132D433-00****+
0.047	18.0	14.58	8.0	14.0	0.6	C132D473-00****+
0.051	22.5	14.0	7.0	19.0	0.8	C132D513-00****+
0.056	22.5	14.0	7.5	19.0	0.8	C132D563-00****+
0.062	22.5	15.5	7.5	19.0	0.8	C132D623-00****+
0.068	22.5	16.0	7.5	19.0	0.8	C132D683-00****+
0.075	22.5	16.0	8.0	19.0	0.8	C132D753-00****+
0.082	22.5	16.5	8.0	19.0	0.8	C132D823-00****+
0.091	22.5	17.0	8.5	19.0	0.8	C132D913-00****+
0.10	22.5	17.0	9.0	19.0	0.8	C132D104-00****+

250Vdc						
C _N (μF)	W max	H max	T max	P	d	Part number
0.0010	12.0	9.5	5.5	8.5	0.6	C132E102-00****+
0.0012	12.0	10.0	6.0	8.5	0.6	C132E122-00****+
0.0015	12.0	10.0	6.5	8.5	0.6	C132E152-00****+
0.0016	12.0	10.5	6.5	8.5	0.6	C132E162-00****+
0.0018	12.0	10.5	6.5	8.5	0.6	C132E182-00****+
0.0020	12.0	9.5	5.5	8.5	0.6	C132E202-00****+
0.0022	12.0	9.5	5.5	8.5	0.6	C132E222-00****+
0.0024	12.0	9.5	5.5	8.5	0.6	C132E242-00****+
0.0027	12.0	10.0	6.0	8.5	0.6	C132E272-00****+
0.0030	12.0	10.0	6.0	8.5	0.6	C132E302-00****+
0.0033	12.0	10.0	6.0	8.5	0.6	C132E332-00****+
0.0036	12.0	10.5	6.5	8.5	0.6	C132E362-00****+
0.0039	12.0	10.5	6.5	8.5	0.6	C132E392-00****+
0.0043	12.0	10.0	6.0	8.5	0.6	C132E432-00****+
0.0047	12.0	10.0	6.0	8.5	0.6	C132E472-00****+

250Vdc						
C _N (μF)	W max	H max	T max	P	d	Part number
0.0051	12.0	10.5	6.5	8.5	0.6	C132E512-00****+
0.0056	12.0	10.5	6.5	8.5	0.6	C132E562-00****+
0.0062	12.0	10.5	7.0	8.5	0.6	C132E622-00****+
0.0068	12.0	11.0	7.0	8.5	0.6	C132E682-00****+
0.0075	13.5	10.5	6.5	10.0	0.6	C132E752-00****+
0.0082	13.5	10.5	6.5	10.0	0.6	C132E822-00****+
0.0091	13.5</					

■ 外形尺寸 Dimensions (mm)

400Vdc							630Vdc							800Vdc						
C _N (μF)	W max	H max	T max	P	d	Part number	C _N (μF)	W max	H max	T max	P	d	Part number	C _N (μF)	W max	H max	T max	P	d	Part number
0.0010	13.5	10.0	6.0	10.0	0.6	C132G102-00****++	0.0010	14.5	10.0	6.0	11.0	0.6	C132J102-00****++	0.0010	14.5	10.0	6.0	11.0	0.6	C132K102-00****++
0.0012	13.5	10.5	6.5	10.0	0.6	C132G122-00****++	0.0012	14.5	10.5	6.5	11.0	0.6	C132J122-00****++	0.0012	14.5	10.0	6.0	11.0	0.6	C132K122-00****++
0.0015	13.5	10.5	6.5	10.0	0.6	C132G152-00****++	0.0015	14.5	10.5	6.5	11.0	0.6	C132J152-00****++	0.0015	14.5	10.5	6.5	11.0	0.6	C132K152-00****++
0.0016	13.5	10.0	6.0	10.0	0.6	C132G162-00****++	0.0016	14.5	10.5	6.0	11.0	0.6	C132J162-00****++	0.0016	14.5	10.5	6.5	11.0	0.6	C132K162-00****++
0.0018	13.5	10.0	6.5	10.0	0.6	C132G182-00****++	0.0018	14.5	11.0	6.0	11.0	0.6	C132J182-00****++	0.0018	14.5	11.0	7.0	11.0	0.6	C132K182-00****++
0.0020	13.5	9.0	5.5	10.0	0.6	C132G202-00****++	0.0020	14.5	11.0	6.5	11.0	0.6	C132J202-00****++	0.0020	16.0	11.0	6.5	12.5	0.6	C132K202-00****++
0.0022	13.5	9.5	5.5	10.0	0.6	C132G222-00****++	0.0022	14.5	11.0	6.5	11.0	0.6	C132J222-00****++	0.0022	16.0	11.5	6.5	12.5	0.6	C132K222-00****++
0.0024	13.5	9.5	5.5	10.0	0.6	C132G242-00****++	0.0024	14.5	11.5	6.5	11.0	0.6	C132J242-00****++	0.0024	16.0	11.5	6.5	12.5	0.6	C132K242-00****++
0.0027	13.5	9.5	5.5	10.0	0.6	C132G272-00****++	0.0027	14.5	11.5	7.0	11.0	0.6	C132J272-00****++	0.0027	16.0	11.5	7.0	12.5	0.6	C132K272-00****++
0.0030	13.5	9.5	6.0	10.0	0.6	C132G302-00****++	0.0030	14.5	11.5	7.0	11.0	0.6	C132J302-00****++	0.0030	16.0	12.0	7.0	12.5	0.6	C132K302-00****++
0.0033	13.5	10.0	6.0	10.0	0.6	C132G332-00****++	0.0033	14.5	12.0	7.0	11.0	0.6	C132J332-00****++	0.0033	16.0	12.0	7.5	12.5	0.6	C132K332-00****++
0.0036	15.0	11.0	5.5	11.0	0.6	C132G362-00****++	0.0036	14.5	12.0	7.5	11.0	0.6	C132J362-00****++	0.0036	16.0	12.5	7.5	12.5	0.6	C132K362-00****++
0.0039	15.0	11.0	6.0	11.0	0.6	C132G392-00****++	0.0039	14.5	12.5	7.5	11.0	0.6	C132J392-00****++	0.0039	16.0	12.5	8.0	12.5	0.6	C132K392-00****++
0.0043	15.0	11.0	6.0	11.0	0.6	C132G432-00****++	0.0043	14.5	12.5	8.0	11.0	0.6	C132J432-00****++	0.0043	18.0	12.5	7.5	14.0	0.6	C132K432-00****++
0.0047	15.0	11.5	6.0	11.0	0.6	C132G472-00****++	0.0047	14.5	13.0	8.0	11.0	0.6	C132J472-00****++	0.0047	18.0	13.0	7.5	14.0	0.6	C132K472-00****++
0.0051	15.0	11.5	6.5	11.0	0.6	C132G512-00****++	0.0051	18.0	11.5	6.5	14.0	0.6	C132J512-00****++	0.0051	18.0	13.0	8.0	14.0	0.6	C132K512-00****++
0.0056	15.0	11.5	6.5	11.0	0.6	C132G562-00****++	0.0056	18.0	12.0	6.5	14.0	0.6	C132J562-00****++	0.0056	18.0	13.5	8.0	15.0	0.8	C132K562-00****++
0.0062	15.0	12.0	6.5	11.0	0.6	C132G622-00****++	0.0062	18.0	12.0	7.0	14.0	0.6	C132J622-00****++	0.0062	18.0	14.5	8.0	15.0	0.8	C132K622-00****++
0.0068	15.0	12.0	7.0	11.0	0.6	C132G682-00****++	0.0068	18.0	12.5	7.0	14.0	0.6	C132J682-00****++	0.0068	18.0	15.0	8.0	15.0	0.8	C132K682-00****++
0.0075	15.0	12.0	7.0	11.0	0.6	C132G752-00****++	0.0075	18.0	12.5	7.5	14.0	0.6	C132J752-00****++	0.0075	18.0	15.5	8.5	15.0	0.8	C132K752-00****++
0.0082	15.0	12.5	7.0	11.0	0.6	C132G822-00****++	0.0082	18.0	13.0	7.5	14.0	0.6	C132J822-00****++	0.0082	18.0	15.5	8.5	15.0	0.8	C132K822-00****++
0.0091	15.0	12.5	7.5	11.0	0.6	C132G912-00****++	0.0091	18.0	14.0	7.5	14.0	0.6	C132J912-00****++	0.0091	22.5	14.5	8.0	19.0	0.8	C132K912-00****++
0.010	15.0	13.0	8.0	11.0	0.6	C132G103-00****++	0.010	18.0	14.5	7.5	14.0	0.6	C132J103-00****++	0.010	22.5	15.0	8.0	19.0	0.8	C132K103-00****++

备注: 1. “-”表示容量偏差。 “-”=capacitance tolerance code, K=±10%,J=±5%,G=±2%
2. “****”表示引线加工和包装代码(见表1)。“****”=lead dimensions and packing mode code (refer to table 1)