

## CBB21 series / Metallized polypropylene film capacitor

### General Technical Characteristics 一般特性

Metallized polypropylene film  
 金属化聚丙烯膜  
 Low loss at high frequency  
 高频损耗小  
 Small inherent temperature rise  
 内部温升小  
 Flame retardant epoxy resin powder coating (UL94/V-0)  
 阻燃性环氧粉末包封 (UL94/V-0)

### Applications 应用

Widely used in high frequency, DC, AC and pulse circuits  
 广泛应用于高频、直流、交流和脉冲电路中  
 Providing optimum performance with small size in  
 S-correction circuits for color TV set  
 适用于要求体积小, 性能优异的彩电S校正电路  
 Specially designed for S-correction circuits of large  
 Screen monitor and color TV  
 专为大屏幕显示器及彩电的S校正电路设计  
 Suitable for the situation where applies high frequency and  
 high current pulse  
 适用于各种高频、大电流场合

### Electrical Characteristics 电气特性

Reference Standard 引用标准: GB/T 14579 (IEC60384-7)  
 Climatic Category 气候类别: 40/105/21  
 Rated Temperature 额定温度: 85°C  
 Operating Temperature Range: -40°C ~ 105°C  
 工作温度范围: (+85°C to +105°C: decreasing factor 1.25% per °C for U<sub>R</sub>)  
 Rated Voltage 额定电压: 100VDC, 250VDC, 400VDC, 630VDC, 1000VDC, 1250VDC  
 Capacitance Range 电容量范围: 0.010μF ~ 3.3μF  
 Capacitance Tolerance 电容量偏差: ±5% (J), ±10%(K), ±20%(M),  
 Dissipation Factor 损耗角正切: ≤10\*10<sup>-4</sup> Measured at 1KHz and 20°C.  
 Test Voltage 耐电压: 1.6U<sub>R</sub> for 5 sec.  
 Insulation Resistance 绝缘电阻: ≥100 000MΩ, for C<sub>N</sub>≤0.33μF  
 ≥30 000s, for C<sub>N</sub>>0.33μF Measured at 20°C, 100V and 1 min.

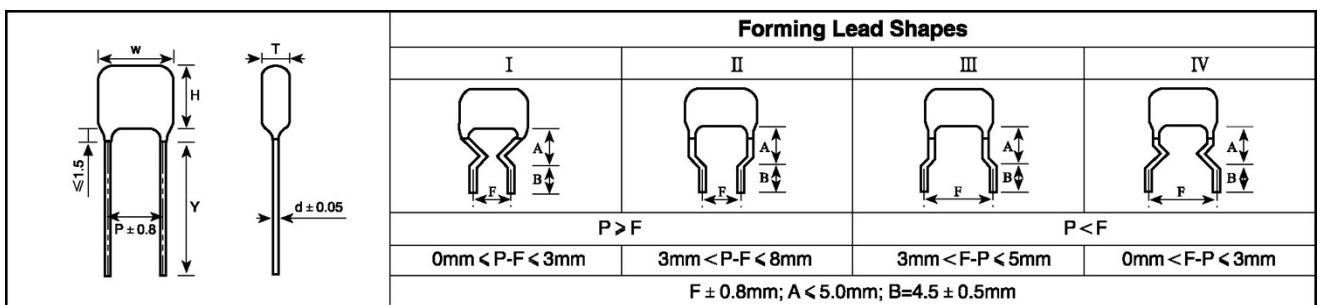
Maximum Pulse Rise Time(dV/dt) 最大脉冲爬升速率:

U <sub>R</sub> (V)	dV/dt [V/μs]			
	P=7.5	P=10	P=15	P=22.5
100/250	660	560	310	130
400	900	780	600	300
630	1500	1200	900	400
1000/1250	2500	2200	--	--

If the working voltage (U) is lower than the rated voltage (U<sub>R</sub>), the capacitor can be worked at a higher dV/dt. In this case, the maximum allowed dV/dt is obtain by multiplying the left value with U<sub>R</sub>/U.

若实际工作电压 U 比额定电压 U<sub>R</sub> 低, 电容器可工作在更高的 dV/dt 场合, 这样 dV/dt 允许值应为左表值乘以 U<sub>R</sub>/U.

### Outline Drawing 外形图



### Part Number System 产品编码说明

K6C	2A	334	K	G	L	0	20	***
型号代码	额定电压	标称容量	容量偏差	引线间距P	引线加工/包装代码	引线加工脚距	引线长度	内部编码
Series Code:	Voltage:	Capacitance:	Cap. Tol.:	Lead Space:	Lead form and packaging code:	Lead type:	Lead length:	Internal code
K6C:	2A=100V	104: 0.1μF	J: ± 5%	E=7.5mm	L=straight lead	0=none	05=5mm	
CBB21 Series	2E=250V 2G=400V 2J=630V 3A=1000V 3B=1250V	105: 1.0μF	K: ± 10% M: ± 20%	F=10.0mm H=15.0mm J=22.5mm			20=20mm	

CBB21 series / Metallized polypropylene film capacitor

Electrical Specification & Part Numbers Reference 规格型号参考

Unit: mm (max)

Cap. (μF)	100VDC (63VAC) / 250VDC (160VAC)					Part Number	Cap. (μF)	400VDC (200VAC)					Part Number
	W	H	T	P	d			W	H	T	P	d	
0.010	9.8	7.7	4.0	7.5	0.6	K6C2A103*****	0.010	9.8	7.8	4.1	7.5	0.6	K6C2G103*****
0.011	9.8	7.8	4.2	7.5	0.6	K6C2A113*****	0.011	9.8	7.9	4.2	7.5	0.6	K6C2G113*****
0.012	9.8	7.9	4.3	7.5	0.6	K6C2A123*****	0.012	9.8	8.0	4.4	7.5	0.6	K6C2G123*****
0.013	9.8	8.0	4.4	7.5	0.6	K6C2A133*****	0.013	9.8	8.1	4.5	7.5	0.6	K6C2G133*****
0.015	9.8	7.8	4.2	7.5	0.6	K6C2A153*****	0.015	9.8	8.4	4.7	7.5	0.6	K6C2G153*****
0.016	9.8	7.9	4.3	7.5	0.6	K6C2A163*****	0.016	9.8	8.5	4.8	7.5	0.6	K6C2G163*****
0.018	9.8	8.1	4.4	7.5	0.6	K6C2A183*****	0.018	9.8	8.7	5.0	7.5	0.6	K6C2G183*****
0.020	9.8	8.2	4.6	7.5	0.6	K6C2A203*****	0.020	9.8	8.9	5.3	7.5	0.6	K6C2G203*****
0.022	9.8	8.4	4.8	7.5	0.6	K6C2A223*****	0.022	9.8	9.1	5.5	7.5	0.6	K6C2G223*****
0.024	9.8	8.6	4.9	7.5	0.6	K6C2A243*****	0.024	12.3	8.0	4.3	10.0	0.6	K6C2G243*****
0.027	9.8	7.6	4.0	7.5	0.6	K6C2A273*****	0.027	12.3	8.1	4.5	10.0	0.6	K6C2G273*****
0.030	9.8	7.7	4.1	7.5	0.6	K6C2A303*****	0.030	12.3	8.3	4.7	10.0	0.6	K6C2G303*****
0.033	9.8	7.9	4.2	7.5	0.6	K6C2A333*****	0.033	12.3	8.5	4.8	10.0	0.6	K6C2G333*****
0.036	9.8	8.0	4.4	7.5	0.6	K6C2A363*****	0.036	12.3	8.6	5.0	10.0	0.6	K6C2G363*****
0.039	9.8	8.1	4.5	7.5	0.6	K6C2A393*****	0.039	12.3	8.7	5.0	10.0	0.6	K6C2G393*****
0.043	9.8	8.3	4.7	7.5	0.6	K6C2A433*****	0.043	12.3	8.8	5.2	10.0	0.6	K6C2G433*****
0.047	9.8	8.5	4.8	7.5	0.6	K6C2A473*****	0.047	12.3	9.0	5.4	10.0	0.6	K6C2G473*****
0.051	12.3	8.0	4.3	10.0	0.6	K6C2A513*****	0.051	12.3	9.2	5.6	10.0	0.6	K6C2G513*****
0.056	12.3	8.1	4.5	10.0	0.6	K6C2A563*****	0.056	12.3	9.4	5.8	10.0	0.6	K6C2G563*****
0.062	12.3	8.3	4.6	10.0	0.6	K6C2A623*****	0.062	12.3	8.9	5.2	10.0	0.6	K6C2G623*****
0.068	12.3	8.5	4.8	10.0	0.6	K6C2A683*****	0.068	12.3	9.1	5.4	10.0	0.6	K6C2G683*****
0.075	12.3	8.6	5.0	10.0	0.6	K6C2A753*****	0.075	12.3	9.3	5.7	10.0	0.6	K6C2G753*****
0.082	12.3	8.8	5.2	10.0	0.6	K6C2A823*****	0.082	12.3	9.5	5.9	10.0	0.6	K6C2G823*****
0.091	12.3	8.1	4.5	10.0	0.6	K6C2A913*****	0.091	12.3	9.8	6.1	10.0	0.6	K6C2G913*****
0.10	12.3	8.3	4.7	10.0	0.6	K6C2A104*****	0.10	12.3	10.0	6.4	10.0	0.6	K6C2G104*****
0.11	12.3	8.5	4.8	10.0	0.6	K6C2A114*****	0.11	12.3	10.3	6.6	10.0	0.6	K6C2G114*****
0.12	12.3	8.6	5.0	10.0	0.6	K6C2A124*****	0.12	17.5	10.7	5.5	15.0	0.6	K6C2G124*****
0.13	12.3	8.6	4.9	10.0	0.6	K6C2A134*****	0.13	17.5	10.9	5.7	15.0	0.6	K6C2G134*****
0.15	12.3	8.9	5.2	10.0	0.6	K6C2A154*****	0.15	17.5	11.2	6.0	15.0	0.6	K6C2G154*****
0.16	12.3	9.0	5.4	10.0	0.6	K6C2A164*****	0.16	17.5	11.3	6.1	15.0	0.6	K6C2G164*****
0.18	12.3	9.3	5.6	10.0	0.6	K6C2A184*****	0.18	17.5	11.6	6.4	15.0	0.6	K6C2G184*****
0.20	12.3	9.5	5.9	10.0	0.6	K6C2A204*****	0.20	17.5	11.9	6.7	15.0	0.6	K6C2G204*****
0.22	12.3	9.8	6.1	10.0	0.6	K6C2A224*****	0.22	17.5	12.2	7.0	15.0	0.6	K6C2G224*****
0.24	12.3	10.0	6.4	10.0	0.6	K6C2A244*****	0.24	17.5	12.5	7.3	15.0	0.6	K6C2G244*****
0.27	17.5	10.5	5.3	15.0	0.6	K6C2A274*****	0.27	17.5	12.9	7.6	15.0	0.8	K6C2G274*****
0.30	17.5	10.8	5.5	15.0	0.6	K6C2A304*****	0.30	17.5	13.7	8.0	15.0	0.8	K6C2G304*****
0.33	17.5	11.0	5.8	15.0	0.6	K6C2A334*****	0.33	17.5	14.1	8.4	15.0	0.8	K6C2G334*****
0.36	17.5	11.2	6.0	15.0	0.6	K6C2A364*****	0.36	17.5	14.4	8.7	15.0	0.8	K6C2G364*****
0.39	17.5	11.4	6.2	15.0	0.6	K6C2A394*****	0.39	17.5	14.7	9.0	15.0	0.8	K6C2G394*****
0.43	17.5	11.6	6.4	15.0	0.6	K6C2A434*****	0.43	17.5	15.1	9.4	15.0	0.8	K6C2G434*****
0.47	17.5	11.9	6.6	15.0	0.6	K6C2A474*****	0.47	17.5	15.5	9.8	15.0	0.8	K6C2G474*****
0.51	17.5	12.1	6.9	15.0	0.6	K6C2A514*****	0.51	25.2	14.8	7.6	22.5	0.8	K6C2G514*****
0.56	17.5	12.4	7.2	15.0	0.6	K6C2A564*****	0.56	25.2	15.2	7.9	22.5	0.8	K6C2G564*****
0.62	17.5	12.7	7.5	15.0	0.8	K6C2A624*****	0.62	25.2	15.6	8.3	22.5	0.8	K6C2G624*****
0.68	17.5	13.5	7.8	15.0	0.8	K6C2A684*****	0.68	25.2	15.9	9.1	22.5	0.8	K6C2G684*****
0.75	17.5	13.9	8.2	15.0	0.8	K6C2A754*****	0.75	25.2	16.3	9.6	22.5	0.8	K6C2G754*****
0.82	17.5	14.2	8.5	15.0	0.8	K6C2A824*****	0.82	25.2	16.7	10.0	22.5	0.8	K6C2G824*****
0.91	17.5	14.9	8.9	15.0	0.8	K6C2A914*****	0.91	25.2	17.2	10.5	22.5	0.8	K6C2G914*****
1.0	17.5	15.0	9.3	15.0	0.8	K6C2A105*****	1.0	25.2	17.7	10.9	22.5	0.8	K6C2G105*****
1.1	17.5	15.5	9.7	15.0	0.8	K6C2A115*****							
1.2	25.2	14.8	7.5	22.5	0.8	K6C2A125*****							
1.3	25.2	15.1	7.8	22.5	0.8	K6C2A135*****							
1.5	25.2	15.6	8.3	22.5	0.8	K6C2A155*****							
1.6	25.2	15.9	8.6	22.5	0.8	K6C2A165*****							
1.8	25.2	16.4	9.1	22.5	0.8	K6C2A185*****							
2.0	25.2	16.9	10.1	22.5	0.8	K6C2A205*****							
2.2	25.2	18.3	9.9	22.5	0.8	K6C2A225*****							
2.4	25.2	18.7	10.4	22.5	0.8	K6C2A245*****							
2.7	25.2	19.3	10.9	22.5	0.8	K6C2A275*****							
3.0	25.2	19.9	11.6	22.5	0.8	K6C2A305*****							
3.3	25.2	20.5	12.1	22.5	0.8	K6C2A335*****							

备注：

- “\*\*\*\*\*” = Capacitance tolerance code, Pitch, Lead form and packaging code, Lead form, Lead length, Internal code.  
“\*\*\*\*\*” 表示容量偏差，引线间距，引线加工和包装代码，引线加工间距，引线长度，内部编码。
- Customization for special specification and requirement is available.

CBB21 series / Metallized polypropylene film capacitor

■ Electrical Specification & Part Numbers Reference 规格型号参考

Unit: mm (max)

Cap. ( $\mu$ F)	630VDC (250VAC)					Part Number	Cap. ( $\mu$ F)	630VDC (250VAC)					Part Number
	W	H	T	P	d			W	H	T	P	d	
0.0010	10.0	7.9	4.3	7.5	0.6	K6C2J102*****	0.11	17.5	13.6	7.9	15.0	0.8	K6C2J114*****
0.0011	10.0	8.1	4.4	7.5	0.6	K6C2J112*****	0.12	17.5	13.9	8.2	15.0	0.8	K6C2J124*****
0.0012	10.0	8.2	4.5	7.5	0.6	K6C2J122*****	0.13	17.5	14.2	8.5	15.0	0.8	K6C2J134*****
0.0013	10.0	8.3	4.7	7.5	0.6	K6C2J132*****	0.15	17.5	14.7	9.0	15.0	0.8	K6C2J154*****
0.0015	10.0	8.1	4.4	7.5	0.6	K6C2J152*****	0.16	17.5	15.0	9.3	15.0	0.8	K6C2J164*****
0.0016	10.0	8.2	4.5	7.5	0.6	K6C2J162*****	0.18	17.5	15.5	9.8	15.0	0.8	K6C2J184*****
0.0018	10.0	7.8	4.2	7.5	0.6	K6C2J182*****	0.20	17.5	16.0	10.3	15.0	0.8	K6C2J204*****
0.0020	10.0	8.0	4.3	7.5	0.6	K6C2J202*****	0.22	25.2	15.2	7.9	22.5	0.8	K6C2J224*****
0.0022	10.0	8.1	4.5	7.5	0.6	K6C2J222*****	0.24	25.2	15.5	8.2	22.5	0.8	K6C2J244*****
0.0024	9.8	8.0	4.3	7.5	0.6	K6C2J242*****	0.27	25.2	15.9	9.2	22.5	0.8	K6C2J274*****
0.0027	9.8	8.1	4.5	7.5	0.6	K6C2J272*****	0.30	25.2	16.4	9.6	22.5	0.8	K6C2J304*****
0.0030	9.8	8.3	4.7	7.5	0.6	K6C2J302*****	0.33	25.2	16.8	10.0	22.5	0.8	K6C2J334*****
0.0033	9.8	8.5	4.8	7.5	0.6	K6C2J332*****	0.36	25.2	17.2	10.4	22.5	0.8	K6C2J364*****
0.0036	9.8	8.0	4.4	7.5	0.6	K6C2J362*****	0.39	25.2	17.6	10.8	22.5	0.8	K6C2J394*****
0.0039	9.8	8.2	4.5	7.5	0.6	K6C2J392*****	0.43	25.2	18.1	11.3	22.5	0.8	K6C2J434*****
0.0043	9.8	8.3	4.7	7.5	0.6	K6C2J432*****	0.47	25.2	18.6	11.8	22.5	0.8	K6C2J474*****
0.0047	9.8	8.5	4.9	7.5	0.6	K6C2J472*****	0.51	25.2	19.0	12.2	22.5	0.8	K6C2J514*****
0.0051	9.8	8.6	5.0	7.5	0.6	K6C2J512*****	0.56	25.2	19.6	12.8	22.5	0.8	K6C2J564*****
0.0056	9.8	8.8	5.2	7.5	0.6	K6C2J562*****							
0.0062	9.8	9.0	5.4	7.5	0.6	K6C2J622*****							
0.0068	12.3	8.0	4.4	10.0	0.6	K6C2J682*****							
0.0075	12.3	8.2	4.5	10.0	0.6	K6C2J752*****							
0.0082	12.3	8.3	4.7	10.0	0.6	K6C2J822*****							
0.0091	12.3	8.5	4.9	10.0	0.6	K6C2J912*****							
0.010	12.3	7.8	4.1	10.0	0.6	K6C2J103*****							
0.011	12.3	7.9	4.2	10.0	0.6	K6C2J113*****							
0.012	12.3	8.0	4.4	10.0	0.6	K6C2J123*****							
0.013	12.3	8.1	4.5	10.0	0.6	K6C2J133*****							
0.015	12.3	8.3	4.7	10.0	0.6	K6C2J153*****							
0.016	12.3	8.5	4.8	10.0	0.6	K6C2J163*****							
0.018	12.3	8.6	4.9	10.0	0.6	K6C2J183*****							
0.020	12.3	8.8	5.1	10.0	0.6	K6C2J203*****							
0.022	12.3	8.9	5.3	10.0	0.6	K6C2J223*****							
0.024	12.3	9.1	5.5	10.0	0.6	K6C2J243*****							
0.027	12.3	9.4	5.7	10.0	0.6	K6C2J273*****							
0.030	12.3	9.6	6.0	10.0	0.6	K6C2J303*****							
0.033	12.3	9.9	6.2	10.0	0.6	K6C2J333*****							
0.036	12.3	10.1	6.4	10.0	0.6	K6C2J363*****							
0.039	12.3	10.3	6.7	10.0	0.6	K6C2J393*****							
0.043	17.5	10.7	5.4	15.0	0.6	K6C2J433*****							
0.047	17.5	10.8	5.6	15.0	0.6	K6C2J473*****							
0.051	17.5	11.0	5.8	15.0	0.6	K6C2J513*****							
0.056	17.5	11.2	6.0	15.0	0.6	K6C2J563*****							
0.062	17.5	11.4	6.2	15.0	0.6	K6C2J623*****							
0.068	17.5	11.7	6.5	15.0	0.6	K6C2J683*****							
0.075	17.5	11.9	6.7	15.0	0.6	K6C2J753*****							
0.082	17.5	12.2	7.0	15.0	0.6	K6C2J823*****							
0.091	17.5	12.5	7.3	15.0	0.6	K6C2J913*****							
0.10	17.5	12.8	7.6	15.0	0.8	K6C2J104*****							

Cap. ( $\mu$ F)	1000/1250VDC (450VAC)					Part Number
	W	H	T	P	d	
0.0010	10.0	7.9	4.3	7.5	0.6	K6C3A102*****
0.0011	10.0	8.1	4.4	7.5	0.6	K6C3A112*****
0.0012	10.0	8.2	4.5	7.5	0.6	K6C3A122*****
0.0013	10.0	8.3	4.7	7.5	0.6	K6C3A132*****
0.0015	10.0	8.1	4.4	7.5	0.6	K6C3A152*****
0.0016	10.0	8.2	4.5	7.5	0.6	K6C3A162*****
0.0018	10.0	7.8	4.2	7.5	0.6	K6C3A182*****
0.0020	10.0	8.0	4.3	7.5	0.6	K6C3A202*****
0.0022	10.0	8.1	4.5	7.5	0.6	K6C3A222*****
0.0024	10.0	7.7	4.0	7.5	0.6	K6C3A242*****
0.0027	10.0	7.8	4.2	7.5	0.6	K6C3A272*****
0.0030	10.0	8.0	4.4	7.5	0.6	K6C3A302*****
0.0033	10.0	8.2	4.5	7.5	0.6	K6C3A332*****
0.0036	10.0	8.3	4.7	7.5	0.6	K6C3A362*****
0.0039	10.0	8.4	4.8	7.5	0.6	K6C3A392*****
0.0043	10.0	8.2	4.5	7.5	0.6	K6C3A432*****
0.0047	10.0	8.3	4.7	7.5	0.6	K6C3A472*****
0.0051	10.0	8.5	4.8	7.5	0.6	K6C3A512*****
0.0056	10.0	8.7	5.0	7.5	0.6	K6C3A562*****
0.0062	10.0	8.7	5.0	7.5	0.6	K6C3A622*****
0.0068	12.0	8.9	5.2	10.0	0.6	K6C3A682*****
0.0075	12.0	9.1	5.4	10.0	0.6	K6C3A752*****
0.0082	12.0	9.3	5.6	10.0	0.6	K6C3A822*****
0.0091	12.0	9.5	5.9	10.0	0.6	K6C3A912*****
0.010	12.0	9.9	6.3	10.0	0.6	K6C3A103*****

备注：1. "\*\*\*\*\*" = capacitance tolerance code, Pitch, Lead form and packaging code, Lead form and Lead diameter.  
 "\*\*\*\*\*" 表示容量偏差，引线脚距，引线加工和包装代码，引线加工脚距，引线线径。  
 2. Customization for special specification and requirement is available.