东莞市威庆电子有限公司，成立于2007年，并于2008年正式于广东成立东莞工厂始终坚持“ 薄膜电容选型及应用，找WQC ”这一服务理念。
威庆专业从事各类金属薄膜电容器（包括安规X2电容、安规Y1电容、安规Y2电容、盒装低噪音CBB21电容、MMKP82电容、CBB61启动电容、CBB65启动电容、）产品主要使用领域有新能源，储能，PC/PD电源，家电控制板PCBA，工业电源等等。东莞生产基地+贵州生产基地，占地面积45000平方米，企业已经荣获ISO9001、ISO14001、IATF16949（汽车行业的国际标准）质量管理体系认证等证书，制程条件全部符合欧盟RoHS、REACH标准要求。威庆坚持围绕客户需求开发创新产品，加大研究投入，助力行业进步。
威庆WQC品牌安规X2电容、安规Y1电容、安规Y2电容、均已取得UL VDE CQC KC等国际认证，CBB65启动电容，CBB61启动电容已取得S3的防爆等级证书,且全部产品符合国际标准要求，产品可以销往全世界。

中国.贵州

成立于 2023年

职员工约 210人

厂房面积 3.5万㎡

中国.东莞

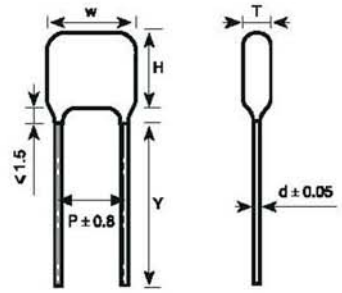
成立于 2010年

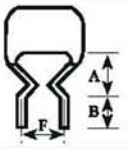
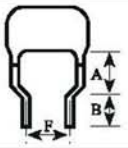
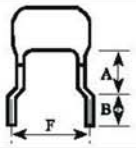
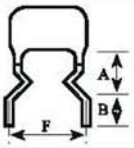
职员工约 110人

厂房面积 1万㎡

金属化聚酯膜电容器
Metallized polyester film capacitor

■ 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

- 金属化聚酯膜,无感卷绕结构
- 容量范围宽，体积小，重量轻
- 自愈性好，寿命长
- 阻燃性环氧粉末包封

■ Features

- Metallized polyester film, non-inductive wound construction
- Wide capacitance range, small size, and light weight
- Long life due to self-healing effect
- Flame retardant epoxy resin coating

■ 主要用途

- 适用于直流和VHF级信号的隔直流、旁路和耦合
- 广泛用于滤波、低脉冲电路

■ Typical Applications

- Suitable for blocking, by-pass and coupling of DC and signals to VHF range
- Widely used in filter and low pulse circuits

■ 技术要求 Specifications

引用标准 Reference Standard	GB/T 7332 (IEC 60384-2)		
气候类别 Climatic Category	55/105/21		
额定温度 Rated Temperature	85℃		
工作温度范围 Operating Temperature Range	-55℃~105℃ (+85℃ to +105℃: decreasing factor 1.25% per ℃ for U_R)		
额定电压 Rated Voltage	50/63V、100V、250V、400V、630V、1 000V、1 250V		
电容量范围 Capacitance Range	0.010μF~10.0μF		
电容量偏差 Capacitance Tolerance	±5%(J), ±10%(K)		
耐电压 Voltage Proof	1.6U_R (5s)		
损耗角正切 Dissipation Factor	<1.0% (20℃,1kHz)		
绝缘电阻 Insulation Resistance	U_R<100V	>15 000MΩ, C_R<0.33μF >5 000s, C_R>0.33μF	(20℃, 10V, 1min)
	U_R>100V	>30 000MΩ, C_R <0.33μF >10 000s, C_R>0.33μF	(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.

U_R(V)	dV/dt(V/μs)for Pattern Ⅲ				
	P=7.5	P=10.0	P=15.0	P=22.5	P=27.5
50/63	7.5	6	3	2	–
100	15	9	5	3	–
250	30	20	12	8	5
400	40	30	20	10	7
630	--	40	25	12	10
1 000	70	60	30	15	12
1 250	80	70	40	18	14

WQC® **C21**
CL21 Series

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	2	1															

第 1~3 位　型号代码(Digit 1~3 Type Code):

型号代码:C21

第 4~5　额定电压代码(Digit 4~5　Rated Voltage Code):

	A	B	C	D	E	F	G	H	J	K	L	M	N
1			16	20				50	63			1100	
2	100	125	160	200	250	315	400	500	630	800	120		
3	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	1200	1400	
	P	Q	R	S	T	U	V	W	X	Y			
1	240	300	330	440	540	600	700	850	900				
2	275	305	350	450	520		760						
3	280	310		480									

说明：参考日本 JIS 标准，字母加数位表示交流，数字加字母表示直流，例如 A2 表示 100VAC，2A 表示 100VDC

Explanation:Refer to JIS standard,Letter and then number indicate AC,but number and then Letter indicate DC,for example,2A indicate 100VDC,A2 indicate 100VAC.

第 6~8　容值代码(Digit 6~8 Capacitance Expressed in 3-digit code 3 Code):

The first 2digits indicate significant figures,and the third digit specifies the number of zero to follow.

前两位表示基数，第三个数字表示其后零的个数

This gives the capacitance in picofarads.容量值单位为皮法

For examples 举例：102=10*10^2PF=1,000PF=1.0nF=0.001uF　　105=10*10^5PF=1,000,000PF=1000nF=1uF

第 9　容量偏差代码(Digit 9　Capacitance Tolerance Code):

公差 Tolerance	±5%	±10%
代码 Code	J	K

第 10~11　两个数位的脚距代码(Digit 10~11　Pitch expressed by Case two digits Code):

Powder Coating Type 粉涂型

Pitch 脚距	2.5	5.0	7.5	10	15	20	22.5	27.5
Case No. 脚距代码	02	05	07	10	15	20	22	27

Axial Type 轴向型

Code 代码	Axial Type 轴向型
A1	轴向椭圆形
A2	轴向圆形

第 12 引线加工型代码(Digit 12　Lead Form Code):

Lead Type

Code 代码	L	H	K	N	M	T	S
Lead Type 引线型式	长脚	短脚	内弯青蛙脚	内弯直脚	外弯直脚	Taping	Customer Special Require

第 13~15 引线长度和偏差以 3 个数字代码表示

Digit 13~14 Lead Length(Straight) and Tolerance of Lead Length(straight)：Expreesed in 3-Letter Code

Example 举例：Code 代码 035:35/10=3.5mm　　230:230/10=23mm

第 16~18 内部特征码

Digit 16~18　Internal use　Code

▪外形尺寸 Dimemsioms (mm)

50Vdc(30Vac)/63Vdc(40Vac)/100Vdc(63Vac)#						
CN (μF)	w max	H max	T max	P	d	Part number
0.010	10.0	9.0	5.5	7.5	0.6	C212A103J07*******
0.012	10.0	9.0	5.5	7.5	0.6	C212A123J07*******
0.015	10.0	9.5	6.0	7.5	0.6	C212A153J07*******
0.018	10.0	10.0	6.0	7.5	0.6	C212A183J07*******
0.022	10.0	9.0	5.5	7.5	0.6	C212A223J07*******
0.027	10.0	9.5	6.0	7.5	0.6	C212A273J07*******
0.033	10.0	8.5	5.0	7.5	0.6	C212A333J07*******
0.039	10.0	9.0	5.0	7.5	0.6	C212A393J07*******
0.047	10.0	9.0	5.5	7.5	0.6	C212A473J07*******
0.056	10.0	9.5	6.0	7.5	0.6	C212A563J07*******
0.068	10.0	9.0	5.5	7.5	0.6	C212A683J07*******
0.082	10.0	9.5	6.0	7.5	0.6	C212A823J07*******
0.10	10.0	8.5	5.0	7.5	0.6	C212A104J07*******
0.12	10.0	8.5	5.0	7.5	0.6	C212A124J07*******
0.15	10.0	8.5	5.0	7.5	0.6	C212A154J07*******
0.18	10.0	9.0	5.5	7.5	0.6	C212A184J07*******
0.22	10.0	9.5	5.5	7.5	0.6	C212A224J07*******
0.27	10.0	10.0	6.5	7.5	0.6	C212A274J07*******
0.33	13.0	10.5	6.0	10.0	0.6	C212A334J10*******
0.39	13.0	11.0	6.0	10.0	0.6	C212A334J10*******
0.47	13.0	11.5	6.5	10.0	0.6	C212A474J10*******
0.56	13.0	12.0	7.0	10.0	0.6	C212A564J10*******
0.68	19.0	11.5	6.0	15.0	0.6	C212A684J15*******
0.82	19.0	12.5	6.5	15.0	0.6	C212A824J15*******
1.0	19.0	12.5	7.0	15.0	0.8	C212A105J15*******
1.2	19.0	13.5	7.5	15.0	0.8	C212A125J15*******
1.5	19.0	14.0	8.5	15.0	0.8	C212A155J15*******
1.8	19.0	14.5	9.0	15.0	0.8	C212A185J15*******
2.2	24.0	14.5	8.5	20.0	0.8	C212A225J20*******
2.7	24.0	15.0	85.0	20.0	0.8	C212A275J20*******
3.3	24.0	16.0	9.5	20.0	0.8	C212A335J20*******
3.9	24.0	17.0	10.0	20.0	0.8	C212A395J20*******
4.7	29.0	17.0	10.0	25.0	0.8	C212A475J25*******
5.6	29.0	17.5	10.5	25.0	0.8	C212A565J25*******
6.8	29.0	18.5	11.5	25.0	0.8	C212A685J25*******
8.2	29.0	19.5	12.5	25.0	0.8	C212A825J25*******
10.0	29.0	21.0	14.0	25.0	0.8	C212A106J25*******

250Vdc(160Vac)						
CN (μF)	W max	H max	T max	P	d	Part number
0.010	10.0	9.0	5.5	7.5	0.6	C212E103J07*******
0.012	10.0	9.0	5.5	7.5	0.6	C212E123J07*******
0.015	10.0	9.5	6.0	7.5	0.6	C212E153J07*******
0.018	10.0	10.0	6.0	7.5	0.6	C212E183J07*******
0.022	10.0	9.5	5.5	7.5	0.6	C212E223J07*******
0.027	10.0	9.5	6.0	7.5	0.6	C212E273J07*******
0.033	10.0	8.5	5.0	7.5	0.6	C212E333J07*******
0.039	10.0	9.0	5.0	7.5	0.6	C212E393J07*******
0.047	10.0	9.0	5.5	7.5	0.6	C212E473J07*******
0.056	10.0	9.5	6.0	7.5	0.6	C212E563J07*******
0.068	10.0	9.0	5.5	7.5	0.6	C212E683J07*******
0.082	10.0	9.5	6.0	7.5	0.6	C212E823J07*******
0.10	10.0	10.0	6.0	7.5	0.6	C212E104J07*******
0.12	10.0	10.0	6.5	7.5	0.6	C212E124J07*******
0.15	10.0	10.5	6.5	7.5	0.6	C212E154J07*******
0.18	13.0	10.0	6.0	10.0	0.6	C212E184J07*******
0.22	13.0	11.0	6.5	10.0	0.6	C212E224J07*******
0.27	13.0	11.5	7.0	10.0	0.6	C212E274J07*******
0.33	13.0	12.5	7.0	10.0	0.6	C212E334J10*******
0.39	19.0	11.5	6.0	15.0	0.6	C212E394J15*******
0.47	19.0	12.0	6.5	15.0	0.8	C212E474J15*******
0.56	19.0	12.0	7.0	15.0	0.8	C212E564J15*******
0.68	19.0	13.0	7.5	15.0	0.8	C212E684J15*******
0.82	19.0	13.5	8.5	15.0	0.8	C212E824J15*******
1.0	19.0	14.0	9.0	15.0	0.8	C212E105J15*******
1.2	24.0	13.5	8.5	20.0	0.8	C212E125J20*******
1.5	24.0	14.0	9.0	20.0	0.8	C212E155J20*******
1.8	24.0	16.0	9.5	20.0	0.8	C212E185J20*******
2.2	24.0	17.0	10.0	20.0	0.8	C212E225J20*******
2.7	24.0	18.0	11.5	20.0	0.8	C212E275J20*******
3.3	29.0	18.0	11.5	25.0	0.8	C212E335J25*******
3.9	29.0	18.5	11.5	25.0	0.8	C212E395J25*******
4.7	29.0	20.0	13.0	25.0	0.8	C212E475J25*******
5.6	34.0	19.5	12.5	30.0	0.8	C212E565J30*******
6.8	34.0	21.5	13.5	30.0	0.8	C212E685J30*******
8.2	34.0	23.0	14.5	30.0	0.8	C212E825J30*******
10.0	34.0	24.5	16.0	30.0	0.8	C212E106J30*******

400Vdc(200Vac)						
CN (μF)	W max	H max	T max	P	d	Part number
0.010	10.0	9.0	5.5	7.5	0.6	C212G103J07*******
0.012	10.0	9.0	5.5	7.5	0.6	C212G123J07*******
0.015	10.0	9.5	6.0	7.5	0.6	C212G153J07*******
0.018	10.0	10.0	6.0	7.5	0.6	C212G183J07*******
0.022	10.0	9.5	5.5	7.5	0.6	C212G223J07*******
0.027	10.0	9.5	6.0	7.5	0.6	C212G273J07*******
0.033	10.0	10.0	6.0	7.5	0.6	C212G333J07*******
0.039	10.0	10.0	6.5	7.5	0.6	C212G393J07*******
0.047	10.0	10.0	7.0	7.5	0.6	C212G473J07*******
0.056	13.0	10.5	6.0	10.0	0.6	C212G563J07*******
0.068	13.0	11.0	6.5	10.0	0.6	C212G683J07*******
0.082	13.0	11.5	7.0	10.0	0.6	C212G823J07*******
0.10	13.0	12.0	7.0	10.0	0.6	C212G104J07*******
0.12	13.0	12.5	8.0	10.0	0.6	C212G124J10*******
0.15	19.0	11.5	7.0	15.0	0.6	C212G154J15*******
0.18	19.0	12.0	7.5	15.0	0.6	C212G184J15*******
0.22	19.0	13.0	8.0	15.0	0.6	C212G224J15*******
0.27	19.0	13.5	9.0	15.0	0.6	C212G274J15*******
0.33	19.0	14.5	9.5	15.0	0.8	C212G334J15*******
0.39	19.0	15.0	9.5	15.0	0.8	C212G394J15*******
0.47	19.0	16.0	10.5	15.0	0.8	C212G474J15*******
0.56	24.0	15.0	9.5	20.0	0.8	C212G564J20*******
0.68	24.0	16.0	0.5	20.0	0.8	C212G684J20*******
0.82	24.0	17.0	11.5	20.0	0.8	C212G824J20*******
1.0	29.0	17.0	10.5	25.0	0.8	C212G105J25*******
1.2	29.0	18.0	11.5	25.0	0.8	C212G125J25*******
1.5	29.0	19.5	12.5	25.0	0.8	C212G155J25*******
1.8	34.0	21.0	12.0	30.0	0.8	C212G185J30*******
2.2	34.0	21.5	13.5	30.0	0.8	C212G225J30*******
2.7	34.0	23.0	14.5	30.0	0.8	C212G275J30*******
3.3	34.0	24.5	16.5	30.0	0.8	C212G335J30*******
3.9	34.0	26.0	17.5	30.0	0.8	C212G395J30*******
4.7	34.0	28.0	19.5	30.0	0.8	C212G475J30*******

630Vdc(220Vac)@						
CN (μF)	w max	H max	T max	P	d	Part number
0.010	13.0	9.0	5.0	10.0	0.6	C212J103J10*******
0.012	13.0	9.0	5.0	10.0	0.6	C212J123J10*******
0.015	13.0	9.5	5.5	10.0	0.6	C212J153J10*******
0.018	13.0	10.0	6.0	10.0	0.6	C212J183J10*******
0.022	13.0	10.0	6.0	10.0	0.6	C212J223J10*******
0.027	13.0	10.5	6.5	10.0	0.6	C212J273J10*******
0.033	13.0	11.0	7.0	10.0	0.6	C212J333J10*******
0.039	13.0	11.5	7.0	10.0	0.6	C212J393J10*******
0.047	16.0	12.0	7.0	12.5	0.6	C212J473J12*******
0.056	16.0	12.0	7.5	12.5	0.6	C212J563J12*******

630Vdc(220Vac)@						
CN (μF)	w max	H max	T max	P	d	Part number
0.068	16.0	12.5	8.0	12.5	0.6	C212J683J12*******
0.082	16.0	13.0	8.5	12.5	0.6	C212J823J12*******
0.10	19.0	13.0	8.0	15.0	0.8	C212J104J15*******
0.12	19.0	13.5	9.0	15.0	0.8	C212J124J15*******
0.15	19.0	14.0	9.5	15.0	0.8	C212J154J15*******
0.18	19.0	15.0	10.0	15.0	0.8	C212J184J15*******
0.22	19.0	16.0	11.0	15.0	0.8	C212J224J15*******
0.03	24.0	16.0	9.5	20.0	0.8	C212J304J20*******
0.33	24.0	17.0	10.0	20.0	0.8	C212J334J20*******
0.39	24.0	18.0	11.0	20.0	0.8	C212J394J20*******

630Vdc(220Vac)@						
CN (μF)	w max	H max	T max	P	d	Part number
0.47	29.0	18.0	10.0	25.0	0.8	C212J474J25*******
0.56	29.0	19.0	10.5	25.0	0.8	C212J564J25*******
0.68	29.0	20.0	12.0	25.0	0.8	C212J684J25*******
0.82	29.0	21.5	13.0	25.0	0.8	C212J824J25*******
1.0	34.0	21.5	13.0	30.0	0.8	C212J105J30*******
1.2	34.0	22.5	14.0	30.0	0.8	C212J125J30*******
1.5	34.0	24.5	15.0	30.0	0.8	C212J155J30*******
1.8	34.0	26.0	17.0	30.0	0.8	C212J185J30*******
2.2	34.0	27.5	19.5	30.0	0.8	C212J225J30*******

备注:

1."*******"表示内部特征代码.Internal use.

2."#"当额定电压为50Vdc,63Vdc时，第4-5位分别是1H,1J."#"when the rated voltage is 50Vdc,63Vdc,the ding4-5 is 1H,1J.

3."@"不适合跨接线的应用。请参阅Interference抑制电容器。

"@"Not suitable for across-the-line applications.Pls refer to Interference Suppression Capacitors.