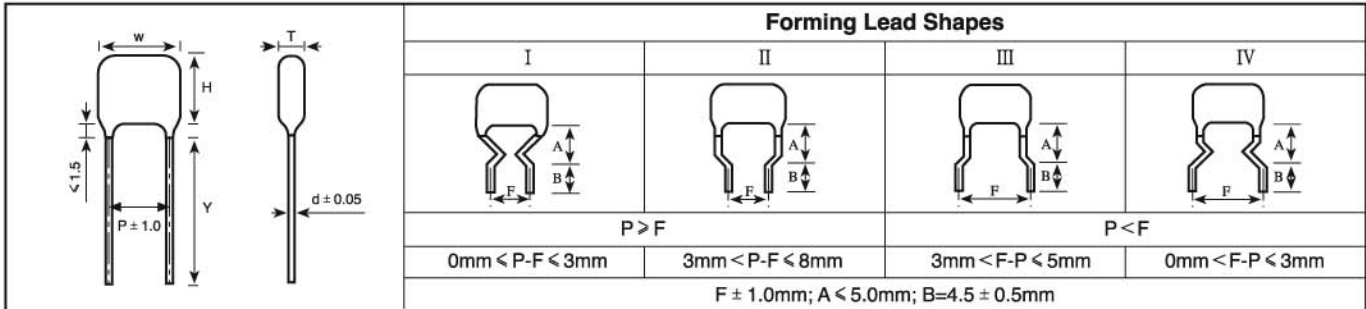


金属化聚酯膜电容器(浸渍型) Metallized polyester film capacitor(Dipped)

■ 外形图 Outline Drawing



■ 特点

- 金属化聚酯膜, 无感卷绕结构
- 体积小, 自愈性好
- 阻燃性环氧粉末包封(UL94/V-0)

■ Features

- metallized polyester film, non-inductive wound construction
- Small size and Excellent self-healing property
- Flame retardant epoxy resin coating(UL94/V-0)

■ 主要用途

- 用于开关电源、电子镇流器和变频器等中间电路直流滤波(如: DC-Link、PFC等)

■ Typical Applications

- As intermediate circuit capacitors for SMPS、Electronic Ballast、inverter (i.e. DC-link , DC-filter and P.F.C).

■ 技术要求 Specifications

引用标准 Reference Standard	GB 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 V _R (dc))
额定电压 Rated Voltage	250V、400/450V、520V、630V
电容量范围 Capacitance Range	0.010μF~10.0μF
电容量偏差 Capacitance Tolerance	± 5%(J), ± 10%(K), ± 20%(M)
耐电压 Voltage Proof	1.6U _R (5s)
损耗角正切 Dissipation Factor	< 0.8% (20℃, 1kHz)
绝缘电阻 Insulation Resistance	≥ 15 000MΩ, C _R < 0.33μF ≥ 5 000s, C _R > 0.33μF (20℃, 100V, 1min)

Not for the rated-voltage lower than 100Vdc, pls refer to CL21 or CL23B series.

额定电压低于100V的不再生产, 请用CL21或CL23。



C22
CL21X 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	2															

第1~3位	薄膜电容器系列代码 C22= CL21X	Digit 1 to 3	Series code of film capacitor C22= CL21X
第4~5位	直流额定电压 2E=250V 2G=400V 2S=450V 2T=520V 2J=630V	Digit 4 to 5	DC rated voltage 2E=250V 2G=400V 2S=450V 2T=520V 2J=630V
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 6=15.0mm 9=22.5mm	Digit 10	Pitch 3=7.5mm 4=10.0mm 6=15.0mm 9=22.5mm
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

■ 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	2	F=5.0mm	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)
		3	F=7.5mm			B	载带孔在产品的引线之间 each hole between two leads of a cap. P3=12.7mm,H=20.0mm (For pitch=10.0mm)
		4	F=10.0mm			E	P3=25.4mm;H=20.0mm (For pitch=15.0mm)
		6	F=15.0mm				(Detail information refer to pag 16)
F	引线成型 lead kinked	2	F=5.0mm	0	B=4.5mm (the length of B)	0	B的长度偏差±0.5mm B Length tolerance ± 0.5mm
		3	F=7.5mm				
		4	F=10.0mm				
		6	F=15.0mm				
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)							

■ 外形尺寸 Dimensions(mm)

250Vdc						
容量 (μ F)	W max	H max	T max	P	d	产品代码 Part number
0.22	10.0	9.0	4.4	7.5	0.5	C222E224-30****+++
0.33	10.0	9.8	5.2	7.5	0.5	C222E334-30****+++
0.47	10.0	11.2	5.8	7.5	0.5	C222E474-30****+++
0.68	10.0	13.4	6.4	7.5	0.5	C222E684-30****+++
1.0	10.0	14.8	7.8	7.5	0.5	C222E105-30****+++
0.33	12.5	8.5	4.7	10.0	0.6	C222E334-40****+++
0.47	12.5	10.3	4.9	10.0	0.6	C222E474-40****+++
0.68	12.5	11.2	5.8	10.0	0.6	C222E684-40****+++
1.0	12.5	13.4	6.4	10.0	0.6	C222E105-40****+++
1.5	12.5	15.9	7.3	10.0	0.6	C222E155-40****+++
2.2	12.5	18.6	8.5	10.0	0.6	C222E225-40****+++
0.47	17.8	8.8	4.2	15.0	0.8	C222E474-60****+++
0.68	17.8	9.6	4.9	15.0	0.8	C222E684-60****+++
1.0	17.8	11.0	5.6	15.0	0.8	C222E105-60****+++
1.5	17.8	13.2	6.2	15.0	0.8	C222E155-60****+++
2.2	17.8	15.6	7.0	15.0	0.8	C222E225-60****+++
3.3	17.8	18.3	8.2	15.0	0.8	C222E335-60****+++
4.7	17.8	20.2	10.1	15.0	0.8	C222E475-60****+++
1.0	25.5	9.9	4.5	22.5	0.8	C222E105-90****+++
1.5	25.5	11.9	4.9	22.5	0.8	C222E155-90****+++
2.2	25.5	12.9	6.0	22.5	0.8	C222E225-90****+++
3.3	25.5	15.4	6.8	22.5	0.8	C222E335-90****+++
4.7	25.5	17.8	7.7	22.5	0.8	C222E475-90****+++
6.8	25.5	19.7	9.5	22.5	0.8	C222E685-90****+++
10.0	25.5	22.0	11.9	22.5	0.8	C222E106-90****+++

400Vdc/450Vdc#						
容量 (μ F)	W max	H max	T max	P	d	产品代码 Part number
0.047	10.0	7.1	3.9	7.5	0.5	C222G473-30****+++
0.068	10.0	8.0	4.2	7.5	0.5	C222G683-30****+++
0.10	10.0	9.2	4.6	7.5	0.5	C222G104-30****+++
0.15	10.0	10.1	5.5	7.5	0.5	C222G154-30****+++
0.10	12.5	8.6	4.0	10.0	0.6	C222G104-40****+++
0.15	12.5	9.2	4.6	10.0	0.6	C222G154-40****+++
0.22	12.5	10.5	5.1	10.0	0.6	C222G224-40****+++
0.33	12.5	12.6	5.7	10.0	0.6	C222G334-40****+++
0.47	12.5	14.8	6.3	10.0	0.6	C222G474-40****+++
0.68	12.5	16.2	7.6	10.0	0.6	C222G684-40****+++
1.0	12.5	19.0	8.9	10.0	0.6	C222G105-40****+++
0.22	17.8	9.8	4.4	15.0	0.8	C222G224-60****+++
0.33	17.8	10.7	5.3	15.0	0.8	C222G334-60****+++
0.47	17.8	12.6	5.7	15.0	0.8	C222G474-60****+++
0.68	17.8	14.8	6.3	15.0	0.8	C222G684-60****+++
1.0	17.8	16.3	7.7	15.0	0.8	C222G105-60****+++
1.5	17.8	19.2	9.1	15.0	0.8	C222G155-60****+++
2.2	17.8	21.4	11.2	15.0	0.8	C222G225-60****+++
0.47	25.5	10.3	4.9	22.5	0.8	C222G474-90****+++
0.68	25.5	12.3	5.3	22.5	0.8	C222G684-90****+++
1.0	25.5	13.4	6.4	22.5	0.8	C222G105-90****+++
1.5	25.5	15.9	7.3	22.5	0.8	C222G155-90****+++
2.2	25.5	18.6	8.5	22.5	0.8	C222G225-90****+++
3.3	25.5	20.8	10.7	22.5	0.8	C222G335-90****+++

- 备注: 1. “-”表示容量偏差。 “-” =capacitance tolerance code, M= \pm 20%,K= \pm 10%,J= \pm 5%
 2. “****”表示引线加工和包装代码(见table 1)。“****” =lead form and packaging code(refer to table 1)
 3. “#”当额定电压为450Vdc时,第4~5位是2S。
 “#” when the rated voltage is 450Vdc,the digit 4~5 is 2S.



■ 外形尺寸 Dimensions(mm)

520Vdc						
容量 (μ F)	W max	H max	T max	P	d	产品代码 Part number
0.022	9.8	7.5	4.0	7.5	0.5	C222T223-30****+++
0.033	9.8	8.5	4.4	7.5	0.5	C222T333-30****+++
0.047	9.8	9.6	4.7	7.5	0.5	C222T473-30****+++
0.068	9.8	10.4	5.4	7.5	0.5	C222T683-30****+++
0.068	12.5	9.6	4.7	10.0	0.6	C222T683-40****+++
0.10	12.5	10.9	5.2	10.0	0.6	C222T104-40****+++
0.15	12.5	11.9	6.2	10.0	0.6	C222T154-40****+++
0.22	12.5	14.1	6.8	10.0	0.6	C222T224-40****+++
0.33	12.5	15.6	8.3	10.0	0.6	C222T334-40****+++
0.10	17.8	9.4	4.5	15.0	0.8	C222T104-60****+++
0.15	17.8	10.2	5.2	15.0	0.8	C222T154-60****+++
0.22	17.8	11.6	5.8	15.0	0.8	C222T224-60****+++
0.33	17.8	13.7	6.5	15.0	0.8	C222T334-60****+++
0.47	17.8	14.9	7.7	15.0	0.8	C222T474-60****+++
0.68	17.8	17.5	8.6	15.0	0.8	C222T684-60****+++
1.0	17.8	20.4	10.0	15.0	0.8	C222T105-60****+++
1.5	17.8	22.9	12.5	15.0	0.8	C222T155-60****+++
0.33	25.5	12.4	5.2	22.5	0.8	C222T334-90****+++
0.47	25.5	13.3	6.0	22.5	0.8	C222T474-90****+++
0.68	25.5	15.5	6.7	22.5	0.8	C222T684-90****+++
1.0	25.5	18.1	7.6	22.5	0.8	C222T105-90****+++
1.5	25.5	19.9	9.5	22.5	0.8	C222T155-90****+++
2.2	25.5	22.2	11.8	22.5	0.8	C222T225-90****+++

630Vdc						
容量 (μ F)	W max	H max	T max	P	d	产品代码 Part number
0.010	9.8	7.6	3.9	7.5	0.5	C222J103-30****+++
0.015	9.8	7.6	3.9	7.5	0.5	C222J153-30****+++
0.022	9.8	8.1	4.4	7.5	0.5	C222J223-30****+++
0.033	9.8	9.2	4.9	7.5	0.5	C222J333-30****+++
0.047	9.8	10.5	5.3	7.5	0.5	C222J473-30****+++
0.068	9.8	11.9	6.0	7.5	0.5	C222J683-30****+++
0.10	9.8	13.1	7.2	7.5	0.5	C222J104-30****+++
0.047	12.5	9.6	4.5	10.0	0.6	C222J473-40****+++
0.068	12.5	10.3	5.2	10.0	0.6	C222J683-40****+++
0.10	12.5	11.2	6.1	10.0	0.6	C222J104-40****+++
0.15	12.5	13.9	6.4	10.0	0.6	C222J154-40****+++
0.22	12.5	15.3	7.8	10.0	0.6	C222J224-40****+++
0.10	17.8	10.6	4.6	15.0	0.8	C222J104-60****+++
0.15	17.8	12.5	5.1	15.0	0.8	C222J154-60****+++
0.22	17.8	13.5	6.0	15.0	0.8	C222J224-60****+++
0.33	17.8	14.8	7.4	15.0	0.8	C222J334-60****+++
0.47	17.8	16.3	8.8	15.0	0.8	C222J474-60****+++
0.68	17.8	19.1	10.0	15.0	0.8	C222J684-60****+++
1.0	17.8	22.3	11.7	15.0	0.8	C222J105-60****+++
1.5	17.8	25.4	14.7	15.0	0.8	C222J155-60****+++
0.22	25.5	11.2	5.2	22.5	0.8	C222J224-90****+++
0.33	25.5	12.2	6.3	22.5	0.8	C222J334-90****+++
0.47	25.5	14.3	6.8	22.5	0.8	C222J474-90****+++
0.68	25.5	15.7	8.2	22.5	0.8	C222J684-90****+++
1.0	25.5	19.5	8.9	22.5	0.8	C222J105-90****+++
1.5	25.5	21.8	11.1	22.5	0.8	C222J155-90****+++
2.2	25.5	14.4	13.8	22.5	0.8	C222J225-90****+++

备注: 1. “-”表示容量偏差。 “-”=capacitance tolerance code, M= $\pm 20\%$, K= $\pm 10\%$, J= $\pm 5\%$
 2. “****”表示引线加工和包装代码(见table 1)。“****”=lead form and packaging code(refer to table 1)