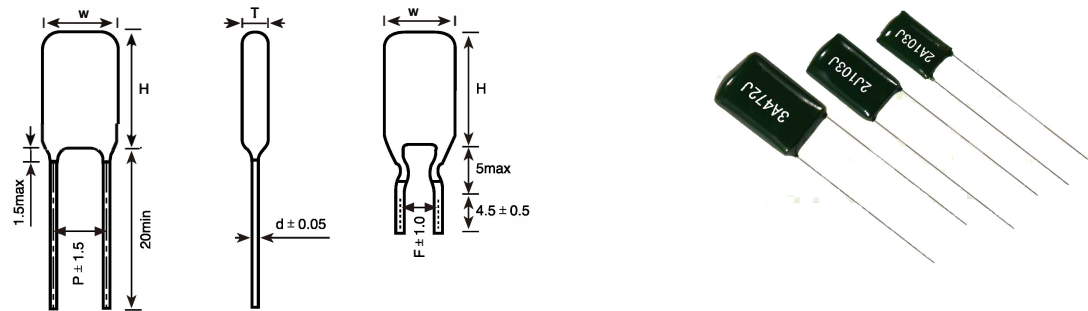


有感箔式聚酯膜电容器

Polyester film metal foil capacitor (Inductive)

■ 外形图 Outline Drawing



- 特点
- 聚酯膜/铝箔，有感卷绕结构
 - 引线直接点焊于电极，损耗小
 - 环氧料真空包封

- Features
- polyester film/foil, inductive wound construction
 - Dissipation factor is small because the leads are
 - epoxy resin vacuum-dipped

- 主要用途
- 广泛应用于电视机、收录机及各种电子仪器的直流、脉动电路中

- Typical Applications
- Widely used in DC and pulsating circuits of radio, TV sets and various electronic equipments

■ 技术要求 Specifications

引用标准 Reference Standard	GB 6346 (IEC 60384-11)
气候类别 Climatic Category	55/100/21
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	50V、63V/100V、160V/250V、400V、630V、1 000V/1 200V
电容量范围 Capacitance Range	0.0010μF~0.47μF
电容量偏差 Capacitance Tolerance	± 5%(J), ± 10%(K), ± 20%(M)
耐电压 Voltage Proof	2.0U _R (5s)
损耗角正切 Dissipation Factor	≤ 1.0% (20℃, 1kHz)
绝缘电阻 Insulation Resistance	> 30 000MΩ, CR ≤ 0.1μF > 10 000s, CR > 0.1μF (20℃, 10V, 1min)

产品编码说明 Part number code system

■ 15位产品代码如下:

The 15 digits part number is formed as follow:

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

第1~3位	薄膜电容器系列代码	Digit 1 to 3	Series code of film capacitor
	C11= CL11		C11= CL11
第4~5位	直流额定电压	Digit 4 to 5	DC rated voltage
	1H=50V 1J=63V 2A=100V 2C=160V		1H=50V 1J=63V 2A=100V 2C=160V
	2E=250V 2G=400V 2J=630V		2E=250V 2G=400V 2J=630V
	3A=1000V 3L=1200V		3A=1000V 3L=1200V
第6~8位	标称容量	Digit 6 to 8	Rated capcitance value
	举例: 103=10 x 10 ³ pF=0.01μF		For example: 103=10 x 10 ³ pF=0.01μF
第9位	容量偏差	Digit 9	Capacitance tolerance
	J= ± 5%, K= ± 10%, M= ± 20%		J= ± 5%, K= ± 10%, M= ± 20%
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

■ 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 R	弹带包装 ammo-pack 圆盘包装 reel-pack	3 4	F=7.5mm F=10.0mm	0 1	表示直脚 straight 表示弯脚 formed	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
						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
							(Detail parameter refer to pag 13)
F	引线成型 lead formed	3 4	F=7.5mm 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 (Detail parameter refer to pag 10)
C	散装切脚 straight lead or cut lead	代码 Code	说明 explanation			0	引线长度偏差 ± 0.5mm Length tolerance ± 0.5mm
		00	标准的引线长度(18mm~22mm) standard lead length				
		45	引线长度 4.5mm lead length 4.5mm				

■ 外形尺寸 Dimensions(mm)

50Vdc							63/100Vdc#							160/250Vdc#						
容量 (μF)	W (max)	H (max)	T (max)	P	d	产品代码 Part number	容量 (μF)	W (max)	H (max)	T (max)	P	d	产品代码 Part number	容量 (μF)	W (max)	H (max)	T (max)	P	d	产品代码 Part number
0.0010	6.0	9.5	3.5	3.5	0.5	C111H102+00****	0.0010	6.0	11.5	3.5	3.5	0.5	C112A102+00****	0.0010	6.0	11.5	3.5	3.5	0.5	C112E102+00****
0.0012	6.0	9.5	3.5	3.5	0.5	C111H122+00****	0.0012	6.0	11.5	3.5	3.5	0.5	C112A122+00****	0.0012	6.0	11.5	3.5	3.5	0.5	C112E122+00****
0.0015	6.0	9.5	3.5	3.5	0.5	C111H152+00****	0.0015	6.0	11.5	3.5	3.5	0.5	C112A152+00****	0.0015	6.0	11.5	3.5	3.5	0.5	C112E152+00****
0.0018	6.0	9.5	3.5	3.5	0.5	C111H182+00****	0.0018	6.0	11.5	3.5	3.5	0.5	C112A182+00****	0.0018	6.0	11.5	3.5	3.5	0.5	C112E182+00****
0.0022	6.0	9.5	3.5	3.5	0.5	C111H222+00****	0.0022	6.0	11.5	3.8	3.5	0.5	C112A222+00****	0.0022	6.0	11.5	3.8	3.5	0.5	C112E222+00****
0.0027	6.5	9.5	4.0	4.0	0.5	C111H272+00****	0.0027	6.0	11.5	3.8	3.5	0.5	C112A272+00****	0.0027	6.5	12.0	3.8	3.5	0.5	C112E272+00****
0.0033	6.5	9.5	4.0	4.0	0.5	C111H332+00****	0.0033	6.0	11.5	3.8	3.5	0.5	C112A332+00****	0.0033	6.5	12.0	3.8	3.5	0.5	C112E332+00****
0.0039	6.5	9.5	4.0	4.0	0.5	C111H392+00****	0.0039	6.0	11.5	3.8	3.5	0.5	C112A392+00****	0.0039	6.5	12.0	3.8	4.0	0.5	C112E392+00****
0.0047	6.5	9.5	4.0	4.0	0.5	C111H472+00****	0.0047	6.0	11.5	3.8	3.5	0.5	C112A472+00****	0.0047	6.5	12.0	3.8	4.5	0.5	C112E472+00****
0.0056	6.5	9.5	4.0	4.0	0.5	C111H562+00****	0.0056	6.0	11.5	3.8	4.0	0.5	C112A562+00****	0.0056	7.0	12.0	4.0	5.0	0.5	C112E562+00****
0.0068	6.5	10.0	4.0	4.0	0.5	C111H682+00****	0.0068	6.5	11.5	3.8	4.0	0.5	C112A682+00****	0.0068	7.0	12.0	4.0	5.0	0.5	C112E682+00****
0.0082	6.5	10.0	4.0	4.0	0.5	C111H822+00****	0.0082	7.0	11.5	4.0	4.0	0.5	C112A822+00****	0.0082	8.0	13.0	4.0	5.5	0.5	C112E822+00****
0.010	6.5	10.0	4.0	4.0	0.5	C111H103+00****	0.010	7.0	11.5	4.3	4.0	0.5	C112A103+00****	0.010	8.0	13.0	5.0	5.5	0.5	C112E103+00****
0.012	7.0	10.0	4.0	4.0	0.5	C111H123+00****	0.012	7.0	11.5	4.3	4.0	0.5	C112A123+00****	0.012	8.5	13.5	5.0	5.5	0.5	C112E123+00****
0.015	7.0	10.0	4.0	4.0	0.5	C111H153+00****	0.015	7.0	11.5	4.3	4.5	0.5	C112A153+00****	0.015	8.5	13.5	5.0	5.5	0.5	C112E153+00****
0.018	7.0	10.0	4.0	4.5	0.5	C111H183+00****	0.018	7.0	12.0	4.3	4.5	0.5	C112A183+00****	0.018	9.0	14.0	5.7	6.0	0.5	C112E183+00****
0.022	7.0	10.0	4.0	4.5	0.5	C111H223+00****	0.022	8.0	12.0	4.3	5.0	0.5	C112A223+00****	0.022	9.5	14.0	5.7	6.5	0.5	C112E223+00****
0.027	7.5	10.0	4.0	4.5	0.5	C111H273+00****	0.027	8.0	13.0	4.8	5.0	0.5	C112A273+00****	0.027	10.0	15.0	6.3	6.5	0.5	C112E273+00****
0.033	7.5	10.5	4.5	5.0	0.5	C111H333+00****	0.033	8.5	13.0	4.8	5.5	0.5	C112A333+00****	0.033	10.5	15.5	6.3	6.5	0.5	C112E333+00****
0.039	8.0	10.5	5.0	5.5	0.5	C111H393+00****	0.039	9.0	13.0	5.0	5.5	0.5	C112A393+00****	0.039	11.5	15.5	7.0	7.0	0.5	C112E393+00****
0.047	8.5	10.5	5.0	5.5	0.5	C111H473+00****	0.047	9.0	13.0	5.3	5.5	0.5	C112A473+00****	0.047	11.5	16.0	7.0	7.5	0.5	C112E473+00****
0.056	8.5	11.5	5.0	5.5	0.5	C111H563+00****	0.056	9.5	13.5	5.5	6.5	0.5	C112A563+00****	0.056	12.5	16.0	8.5	8.0	0.6	C112E563+00****
0.068	9.0	11.5	5.5	6.0	0.5	C111H683+00****	0.068	10.0	13.5	6.0	7.0	0.5	C112A683+00****	0.068	12.5	17.0	8.5	8.0	0.6	C112E683+00****
0.082	9.5	11.5	5.5	6.0	0.5	C111H823+00****	0.082	10.5	13.5	6.5	7.0	0.5	C112A823+00****	0.082	14.0	19.0	10.0	8.5	0.6	C112E823+00****
0.10	10.0	14.0	6.0	6.5	0.5	C111H104+00****	0.10	11.5	13.5	7.0	7.5	0.5	C112A104+00****	0.10	15.0	19.0	10.0	9.0	0.6	C112E104+00****
0.12	10.5	14.0	6.0	6.5	0.5	C111H124+00****	0.12	12.5	15.5	7.5	8.5	0.6	C112A124+00****							
0.15	11.0	14.0	6.5	7.0	0.5	C111H154+00****	0.15	13.5	16.0	8.0	9.0	0.6	C112A154+00****							
0.18	11.5	14.5	7.0	7.0	0.5	C111H184+00****	0.18	14.0	16.5	8.0	9.5	0.6	C112A184+00****							
0.22	12.0	14.5	8.0	7.5	0.6	C111H224+00****	0.22	14.5	17.5	8.5	9.5	0.6	C112A224+00****							
0.27	13.0	16.0	8.0	8.0	0.6	C111H274+00****	0.27	15.0	21.0	9.0	10.0	0.6	C112A274+00****							
0.33	14.0	16.5	9.0	8.0	0.6	C111H334+00****	0.33	16.5	21.5	9.5	10.5	0.6	C112A334+00****							
0.39	14.5	16.5	9.5	8.5	0.6	C111H394+00****	0.39	17.0	21.5	10.0	11.0	0.6	C112A394+00****							
0.47	15.5	17.0	10.5	8.5	0.6	C111H474+00****	0.47	18.0	22.0	10.0	11.0	0.6	C112A474+00****							

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table 1)。“****” =lead form and packaging code(refer to table 1)
3. “#” 当额定电压为63VDC时, 第4~5位是1J。 “#” when the rated voltage is 63VDC,the digit 4~5 is 1J。
“#” 当额定电压为160VDC时, 第4~5位是2C。 “#” when the rated voltage is 160VDC,the digit 4~5 is 2C.

■ 外形尺寸 Dimensions(mm)

400Vdc							630Vdc							1 000/1 200Vdc#						
容量 (μF)	W (max)	H (max)	T (max)	P	d	产品代码 Part number	容量 (μF)	W (max)	H (max)	T (max)	P	d	产品代码 Part number	容量 (μF)	W (max)	H (max)	T (max)	P	d	产品代码 Part number
0.0010	6.0	11.5	3.5	3.5	0.5	C112G102+00****	0.0010	6.5	12.5	4.0	4.0	0.5	C112J102+00****	0.0010	7.0	13.5	4.5	4.0	0.5	C113L102+00****
0.0012	6.0	11.5	3.5	3.5	0.5	C112G122+00****	0.0012	6.5	12.5	4.0	4.0	0.5	C112J122+00****	0.0012	7.0	13.5	4.5	4.0	0.5	C113L122+00****
0.0015	6.0	11.5	3.5	3.5	0.5	C112G152+00****	0.0015	6.5	12.5	4.0	4.0	0.5	C112J152+00****	0.0015	7.5	13.5	4.5	4.5	0.5	C113L152+00****
0.0018	6.0	11.5	3.5	3.5	0.5	C112G182+00****	0.0018	6.5	12.5	4.0	4.0	0.5	C112J182+00****	0.0018	7.5	13.5	4.5	4.5	0.5	C113L182+00****
0.0022	6.0	11.5	3.8	3.5	0.5	C112G222+00****	0.0022	7.0	12.5	4.5	4.5	0.5	C112J222+00****	0.0022	8.0	14.0	5.0	5.0	0.5	C113L222+00****
0.0027	7.0	13.0	4.0	4.0	0.5	C112G272+00****	0.0027	7.5	13.5	5.0	4.5	0.5	C112J272+00****	0.0027	8.0	14.0	5.5	5.0	0.5	C113L272+00****
0.0033	7.0	13.0	4.5	4.5	0.5	C112G332+00****	0.0033	7.5	13.5	5.0	4.5	0.5	C112J332+00****	0.0033	9.0	14.0	6.0	5.5	0.5	C113L332+00****
0.0039	7.5	13.5	4.5	4.5	0.5	C112G392+00****	0.0039	8.0	13.5	5.5	5.0	0.5	C112J392+00****	0.0039	9.5	15.0	6.0	6.0	0.5	C113L392+00****
0.0047	8.0	13.5	4.5	4.5	0.5	C112G472+00****	0.0047	8.5	13.5	5.5	5.0	0.5	C112J472+00****	0.0047	9.5	16.0	6.0	6.0	0.5	C113L472+00****
0.0056	8.0	13.5	5.0	5.5	0.5	C112G562+00****	0.0056	9.5	14.0	5.5	5.5	0.5	C112J562+00****	0.0056	10.0	16.5	6.5	6.0	0.5	C113L562+00****
0.0068	8.5	13.5	5.5	5.5	0.5	C112G682+00****	0.0068	10.0	14.0	6.0	6.0	0.5	C112J682+00****	0.0068	10.5	16.5	6.5	6.5	0.6	C113L682+00****
0.0082	9.0	15.5	5.5	5.5	0.5	C112G822+00****	0.0082	10.0	16.0	6.0	6.0	0.5	C112J822+00****	0.0082	11.5	17.5	7.5	7.5	0.6	C113L822+00****
0.010	9.5	15.5	6.0	5.5	0.5	C112G103+00****	0.010	10.0	16.0	6.5	6.0	0.5	C112J103+00****	0.010	12.0	17.5	7.5	7.5	0.6	C113L103+00****
0.012	10.5	15.5	6.5	6.0	0.5	C112G123+00****	0.012	11.0	16.5	6.5	7.0	0.6	C112J123+00****							
0.015	10.5	15.5	6.5	6.5	0.5	C112G153+00****	0.015	11.5	17.0	7.0	7.5	0.6	C112J153+00****							
0.018	11.5	17.5	7.0	7.0	0.6	C112G183+00****	0.018	12.0	17.5	7.5	7.5	0.6	C112J183+00****							
0.022	11.5	17.5	7.0	7.0	0.6	C112G223+00****	0.022	12.5	18.0	7.5	8.0	0.6	C112J223+00****							
0.027	12.5	18.5	7.5	7.5	0.6	C112G273+00****														
0.033	12.5	18.5	7.5	7.5	0.6	C112G333+00****														
0.039	14.0	19.0	8.0	8.5	0.6	C112G393+00****														
0.047	14.5	19.0	8.5	9.0	0.6	C112G473+00****														
0.056	14.5	21.5	8.5	9.0	0.6	C112G563+00****														
0.068	14.5	22.5	9.0	9.5	0.6	C112G683+00****														
0.082	16.0	22.5	10.0	10.0	0.6	C112G823+00****														
0.10	17.0	22.5	10.5	10.5	0.6	C112G104+00****														

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table 1)。“****”=lead form and packaging code(refer to table 1)
3. “#”当额定电压为1000VDC时，第4~5位是3A。“#” when the rated voltage is 1000VDC,the digit 4~5 is 3A.