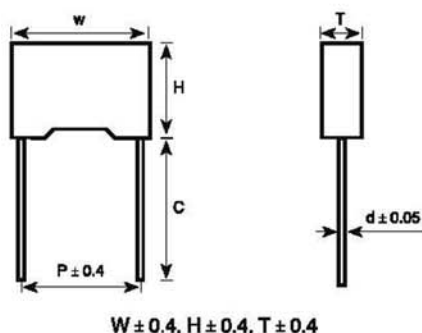


塑料外壳金属化聚酯膜电容器 Metallized polyester film capacitor(Box-type)

■ 外形图 Outline Drawing



■ 特点

- 可靠性高
- 金属化聚酯膜，无感卷绕结构
- 塑料外壳(UL94 V-0)，阻燃环氧填充

■ 主要用途

- 旁路，隔直，耦合，退耦
- 脉冲，逻辑，定时，振荡电路

■ Features

- High reliability
- Metallized polyester film, non-inductive wound construction
- Plastic case(UL94 V-0), Epoxy resin sealing

■ Typical Applications

- By-passing, blocking, coupling, decoupling,
- Pulse, logic, timing, oscillator circuits.

■ 技术要求 Specifications

引用标准 Reference Standard	GB/T 7332 (IEC 60384-2)					
气候类别 Climatic Category	55/105/56					
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	63V、100V、160V、250V、400V、630V、1 000V					
电容量范围 Capacitance Range	0.0010μF~47.0μF					
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	Frequency	C _R ≤ 0.1μF		C _R > 0.1μF		
	1kHz	≤ 1.0%		≤ 1.0%		
	10kHz	≤ 1.5%		≤ 1.5%		
	100kHz	≤ 3.0%		-		
绝缘电阻 Insulation Resistance	U _R > 100V	> 30 000MΩ, C _R ≤ 0.33μF (20℃, 100V, 1min) > 10 000s, C _R > 0.33μF				
	U _R ≤ 100V	> 15 000MΩ, C _R ≤ 0.33μF (20℃, 10V, 1min) > 5 000s, C _R > 0.33μF				
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)				
		P=7.5	P=10.0	P=15.0	P=22.5	P=27.5
	63	7.5	6	3	2	1
	100	15	9	5	3	2
	250	30	20	12	8	5
	400	40	30	20	10	7
	630	50	40	25	12	-
	1 000	70	60	30	15	12

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	3															

第 1~3 位 型号代码(Digit 1~3 Type Code):

型号代码:C23

Digit 4~5 Rated Voltage Code

第 4~5 额定电压代码

	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.

Digit 6~8 Capacitance Expressed in 3-digit code 3 Code

第 6~8 容值代码

The first 2 digits 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: $102=10 \times 10^2 \text{PF}=1,000 \text{PF}=1.0 \text{nF}=0.001 \mu \text{F}$ $105=10 \times 10^5 \text{PF}=1,000,000 \text{PF}=1000 \text{nF}=1 \mu \text{F}$

Digit 9 Capacitance Tolerance Code

第 9 容量偏差代码

公差 Tolerance	±1%	±2%	±3%	±5%	±10%	±20%	+80%/-20%
代码 Code	F	G	H	J	K	M	Z

Digit 10~11 Box Case No. Or Pitch expressed by Case two digits Code

第 10~11 盒体或两个数位的脚距代码

Box Type 盒装型

Pitch 脚距	7.5	10	12.5	15	20	22.5	27.5	37.5	42.5	55
Case No. 壳体代码	B*	C*	G*	D*	S*	E*	F*	J*	K*	P*

Digit 12 Lead Form Code

第 12 引线加工型代码

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 13~15 Lead Length(Straight) and Tolerance of Lead Length(straight): Expressed 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 Dimensioms(mm)(Reduced sizes)

63Vdc(40Vac)						
CN (μF)	w max	H max	T max	P	d	Part number
0.47	10.5	8.5	3.5	7.5	0.5	C231J474JB*****
0.68	10.5	9.0	4.0	7.5	0.6	C231J684JB*****
1.0	10.5	11.0	5.0	7.5	0.6	C231J105JB*****
1.5	10.5	12.0	6.0	7.5	0.6	C231J155JB*****
1.8	10.5	12.0	6.0	7.5	0.6	C231J185JB*****
0.1	13.0	9.0	4.0	10.0	0.6	C231J104JC*****
0.15	13.0	9.0	4.0	10.0	0.6	C231J154JC*****
0.22	13.0	9.0	4.0	10.0	0.6	C231J224JC*****
0.33	13.0	9.0	4.0	10.0	0.6	C231J334JC*****
0.47	13.0	9.0	4.0	10.0	0.6	C231J474JC*****
0.68	13.0	9.0	4.0	10.0	0.6	C231J684JC*****
1.0	13.0	9.0	4.0	10.0	0.6	C231J105JC*****
1.5	13.0	11.0	5.0	10.0	0.6	C231J155JC*****
1.8	13.0	12.0	6.0	10.0	0.6	C231J185JC*****
2.2	13.0	12.0	6.0	10.0	0.6	C231J225JC*****
0.68	17.5	11.0	5.0	15.0	0.8	C231J684JD*****
1.0	17.5	11.0	5.0	15.0	0.8	C231J105JD*****
1.5	17.5	11.0	5.0	15.0	0.8	C231J155JD*****
1.8	17.5	11.0	5.0	15.0	0.8	C231J185JD*****
2.2	17.5	11.0	5.0	15.0	0.8	C231J225JD*****
3.3	17.5	12.0	6.0	15.0	0.8	C231J335JD*****
4.7	17.5	13.5	7.5	15.0	0.8	C231J475JD*****
6.8	17.5	14.5	8.5	15.0	0.8	C231J685JD*****
10.0	17.5	19.0	11.0	15.0	0.8	C231J106JD*****
3.3	26.5	16.0	7.0	22.5	0.8	C231J335JE*****
4.7	26.5	16.0	7.0	22.5	0.8	C231J475JE*****
6.8	26.5	16.0	7.0	22.5	0.8	C231J685JE*****
10.0	26.5	17.0	8.5	22.5	0.8	C231J106JE*****
15.0	26.5	20.0	11.0	22.5	0.8	C231J156JE*****
4.7	32.0	18.0	9.0	27.5	0.8	C231J475JF*****
6.8	32.0	18.0	9.0	27.5	0.8	C231J685JF*****
10.0	32.0	18.0	9.0	27.5	0.8	C231J106JF*****
15.0	32.0	18.0	9.0	27.5	0.8	C231J156JF*****
22.0	32.0	22.0	13.0	27.5	0.8	C231J226JF*****
33.0	32.0	24.5	15.0	27.5	0.8	C231J336JF*****
47.0	32.0	30.0	16.0	27.5	0.8	C231J476JF*****

100Vdc(63Vac)						
CN (μF)	W max	H max	T max	P	d	Part number
0.22	10.5	8.5	3.5	7.5	0.5	C232A224JB*****
0.33	10.5	9.0	4.0	7.5	0.6	C232A334JB*****
0.39	10.5	9.0	4.0	7.5	0.6	C232A394JB*****
0.47	10.5	9.0	4.0	7.5	0.6	C232A474JB*****
0.68	10.5	11.0	5.0	7.5	0.6	C232A684JB*****
1.0	10.5	12.0	6.0	7.5	0.6	C232A105JB*****
0.10	13.0	9.0	4.0	10.0	0.6	C232A104JC*****
0.15	13.0	9.0	4.0	10.0	0.6	C232A154JC*****
0.22	13.0	9.0	4.0	10.0	0.6	C232A224JC*****
0.33	13.0	9.0	4.0	10.0	0.6	C232A334JC*****
0.47	13.0	9.0	4.0	10.0	0.6	C232A474JC*****
0.68	13.0	9.0	4.0	10.0	0.6	C232A684JC*****
1.0	13.0	11.0	5.0	10.0	0.6	C232A105JC*****
1.5	13.0	12.0	6.0	10.0	0.6	C232A155JC*****
0.33	17.5	11.0	5.0	15.0	0.8	C232A334JD*****
0.47	17.5	11.0	5.0	15.0	0.8	C232A474JD*****
0.68	17.5	11.0	5.0	15.0	0.8	C232A684JD*****
1.0	17.5	11.0	5.0	15.0	0.8	C232A105JD*****
1.5	17.5	12.0	6.0	15.0	0.8	C232A155JD*****
1.8	17.5	12.0	6.0	15.0	0.8	C232A185JD*****
2.2	17.5	12.0	6.0	15.0	0.8	C232A225JD*****
3.3	17.5	13.5	7.5	15.0	0.8	C232A335JD*****
4.7	17.5	14.5	8.5	15.0	0.8	C232A475JD*****
1.5	26.5	15.0	6.0	22.5	0.8	C232A155JE*****
1.8	26.5	15.0	6.0	22.5	0.8	C232A185JE*****
2.2	26.5	15.0	6.0	22.5	0.8	C232A225JE*****
3.3	26.5	15.0	6.0	22.5	0.8	C232A335JE*****
4.7	26.5	16.0	7.0	22.5	0.8	C232A475JE*****
6.8	26.5	18.5	10.0	22.5	0.8	C232A685JE*****
10.0	26.5	22.0	12.0	22.5	0.8	C232A106JE*****
4.7	32.0	18.0	9.0	27.5	0.8	C232A475JF*****
6.8	32.0	18.0	9.0	27.5	0.8	C232A685JF*****
10.0	32.0	20.0	11.0	27.5	0.8	C232A106JF*****
15.0	32.0	20.0	11.0	27.5	0.8	C232A156JF*****
22.0	32.0	25.0	13.0	27.5	0.8	C232A226JF*****
33.0	32.0	30.0	16.0	27.5	0.8	C232A336JF*****

250Vdc(160Vac)						
CN (μF)	W max	H max	T max	P	d	Part number
0.07	10.5	8.5	3.5	7.5	0.5	C232E703JB*****
0.10	10.5	8.5	3.5	7.5	0.5	C232E104JB*****
0.15	10.5	9.0	4.0	7.5	0.6	C232E154JB*****
0.18	10.5	11.0	5.0	7.5	0.6	C232E184JB*****
0.22	10.5	11.0	5.0	7.5	0.6	C232E224JB*****
0.27	10.5	12.0	6.0	7.5	0.6	C232E274JB*****
0.33	10.5	12.0	6.0	7.5	0.6	C232E334JB*****
0.03	13.0	9.0	4.0	10.0	0.6	C232E303JC*****
0.05	13.0	9.0	4.0	10.0	0.6	C232E503JC*****
0.07	13.0	9.0	4.0	10.0	0.6	C232E703JC*****
0.10	13.0	9.0	4.0	10.0	0.6	C232E104JC*****
0.15	13.0	9.0	4.0	10.0	0.6	C232E154JC*****
0.22	13.0	11.0	5.0	10.0	0.6	C232E224JC*****
0.33	13.0	11.0	5.0	10.0	0.6	C232E334JC*****
0.39	13.0	12.0	6.0	10.0	0.6	C232E394JC*****
0.47	13.0	12.0	6.0	10.0	0.6	C232E474JC*****
0.10	17.5	11.0	5.0	15.0	0.8	C232E104JD*****
0.15	17.5	11.0	5.0	15.0	0.8	C232E154JD*****
0.22	17.5	11.0	5.0	15.0	0.8	C232E224JD*****
0.33	17.5	11.0	5.0	15.0	0.8	C232E334JD*****
0.47	17.5	11.0	5.0	15.0	0.8	C232E474JD*****
0.68	17.5	12.0	6.0	15.0	0.8	C232E684JD*****
1.0	17.5	13.5	7.5	15.0	0.8	C232E105JD*****
1.5	17.5	14.5	8.5	15.0	0.8	C232E155JD*****
0.22	26.5	15.0	6.0	22.5	0.8	C232E224JE*****
0.47	26.5	15.0	6.0	22.5	0.8	C232E474JE*****
0.68	26.5	15.0	6.0	22.5	0.8	C232E684JE*****
1.0	26.5	15.0	6.0	22.5	0.8	C232E105JE*****
1.5	26.5	16.0	7.0	22.5	0.8	C232E155JE*****
1.8	26.5	16.0	7.0	22.5	0.8	C232E185JE*****
2.2	26.5	12.4	8.5	22.5	0.8	C232E225JE*****
3.3	26.5	17.0	11.0	22.5	0.8	C232E335JE*****
1.5	32.0	20.0	9.0	27.5	0.8	C232E155JF*****
1.8	32.0	18.0	9.0	27.5	0.8	C232E185JF*****
2.2	32.0	18.0	9.0	27.5	0.8	C232E225JF*****
3.3	32.0	18.0	9.0	27.5	0.8	C232E335JF*****
4.7	32.0	20.0	11.0	27.5	0.8	C232E475JF*****
6.8	32.0	22.0	13.0	27.5	0.8	C232E685JF*****
10.0	32.0	24.5	15.0	27.5	0.8	C232E106JF*****

备注:

1. "*****"表示内部特征代码.Internal use.

外形尺寸 Dimensioms(mm)(Reduced sizes)

400Vdc(200Vac)						
CN (μF)	w max	H max	T max	P	d	Part number
0.022	10.5	8.5	3.5	7.5	0.5	C232G223JB*****
0.033	10.5	8.5	3.5	7.5	0.5	C232G333JB*****
0.047	10.5	9.0	4.0	7.5	0.5	C232G473JB*****
0.068	10.5	11.0	5.0	7.5	0.6	C232G683JB*****
0.082	10.5	12.0	6.0	7.5	0.6	C232G823JB*****
0.1	10.5	12.0	6.0	7.5	0.6	C232G104JB*****
0.01	13.0	9.0	4.0	10.0	0.6	C232G103JC*****
0.015	13.0	9.0	4.0	10.0	0.6	C232G153JC*****
0.022	13.0	9.0	4.0	10.0	0.6	C232G223JC*****
0.033	13.0	9.0	4.0	10.0	0.6	C232G333JC*****
0.047	13.0	9.0	4.0	10.0	0.6	C232G473JC*****
0.056	13.0	9.0	4.0	10.0	0.6	C232G563JC*****
0.068	13.0	11.0	5.0	10.0	0.6	C232G683JC*****
0.1	13.0	11.0	5.0	10.0	0.6	C232G104JC*****
0.15	13.0	12.0	6.0	10.0	0.6	C232G154JC*****
0.047	17.5	11.0	5.0	15.0	0.8	C232G473JD*****
0.068	17.5	11.0	5.0	15.0	0.8	C232G683JD*****
0.1	17.5	11.0	5.0	15.0	0.8	C232G104JD*****
0.15	17.5	11.0	5.0	15.0	0.8	C232G154JD*****
0.22	17.5	12.0	6.0	15.0	0.8	C232G224JD*****
0.33	17.5	13.5	7.5	15.0	0.8	C232G334JD*****
0.47	17.5	14.5	8.5	15.0	0.8	C232G474JD*****
0.56	17.5	16.0	10.0	15.0	0.8	C232G564JD*****
0.68	17.5	16.0	10.0	15.0	0.8	C232G684JD*****
0.22	26.5	15.0	6.0	22.5	0.8	C232G224JE*****
0.33	26.5	15.0	6.0	22.5	0.8	C232G334JE*****
0.47	26.5	15.0	6.0	22.5	0.8	C232G474JE*****
0.68	26.5	16.0	7.0	22.5	0.8	C232G684JE*****
1.0	26.5	18.5	10.0	22.5	0.8	C232G105JE*****
1.5	26.5	22.0	12.0	22.5	0.8	C232G155JE*****
0.68	32.0	18.0	9.0	27.5	0.8	C232G684JF*****
1.0	32.0	18.0	9.0	27.5	0.8	C232G105JF*****
1.5	32.0	20.0	11.0	27.5	0.8	C232G155JF*****
1.8	32.0	20.0	11.0	27.5	0.8	C232G185JF*****
2.2	32.0	22.0	13.0	27.5	0.8	C232G225JF*****
3.3	32.0	24.5	15.0	27.5	0.8	C232G335JF*****
4.7	32.0	30.0	16.0	27.5	0.8	C232G475JF*****
6.8	32.0	33.0	18.0	27.5	0.8	C232G685JF*****

630Vdc(220Vac)@						
CN (μF)	W max	H max	T max	P	d	Part number
0.0022	10.5	8.5	3.5	7.5	0.5	C232J222JB*****
0.0047	10.5	8.5	3.5	7.5	0.5	C232J472JB*****
0.0068	10.5	8.5	3.5	7.5	0.5	C232J682JB*****
0.01	10.5	8.5	3.5	7.5	0.5	C232J103JB*****
0.015	10.5	9.0	4.0	7.5	0.6	C232J153JB*****
0.022	10.5	11.0	5.0	7.5	0.6	C232J223JB*****
0.033	10.5	12.0	6.0	7.5	0.6	C232J333JB*****
0.047	10.5	9.0	6.0	7.5	0.6	C232J473JB*****
0.0047	13.0	9.0	4.0	10.0	0.6	C232J472JC*****
0.0068	13.0	9.0	4.0	10.0	0.6	C232J682JC*****
0.01	13.0	9.0	4.0	10.0	0.6	C232J103JC*****
0.015	13.0	9.0	4.0	10.0	0.6	C232J153JC*****
0.022	13.0	9.0	4.0	10.0	0.6	C232J223JC*****
0.033	13.0	11.0	5.0	10.0	0.6	C232J333JC*****
0.047	13.0	11.0	5.0	10.0	0.6	C232J473JC*****
0.068	13.0	12.0	6.0	10.0	0.6	C232J683JC*****
0.033	17.5	11.0	5.0	15.0	0.8	C232J333JD*****
0.047	17.5	11.0	5.0	15.0	0.8	C232J473JD*****
0.068	17.5	11.0	5.0	15.0	0.8	C232J683JD*****
0.1	17.5	12.0	6.0	15.0	0.8	C232J104JD*****
0.15	17.5	13.5	7.5	15.0	0.8	C232J154JD*****
0.22	17.5	16.0	10.0	15.0	0.8	C232J224JD*****
0.33	17.5	0.0	11.0	15.0	0.8	C232J334JD*****
0.1	26.5	19.0	6.0	22.5	0.8	C232J104JE*****
0.15	26.5	15.0	6.0	22.5	0.8	C232J154JE*****
0.22	26.5	15.0	7.0	22.5	0.8	C232J224JE*****
0.33	26.5	6.016.0	7.0	22.5	0.8	C232J334JE*****
0.47	26.5	17.0	8.5	22.5	0.8	C232J474JE*****
0.68	26.5	22.0	12.0	22.5	0.8	C232J684JE*****
0.33	32.0	18.0	9.0	27.5	0.8	C232J334JF*****
0.47	32.0	18.0	9.0	27.5	0.8	C232J474JF*****
0.68	32.0	20.0	11.0	27.5	0.8	C232J684JF*****
1.0	32.0	20.0	11.0	27.5	0.8	C232J105JF*****

1000Vdc(300Vac)						
CN (μF)	W max	H max	T max	P	d	Part number
0.0010	10.5	8.5	3.5	7.5	0.5	C233A102JB*****
0.0015	10.5	8.5	3.5	7.5	0.5	C233A152JB*****
0.0022	10.5	8.5	3.5	7.5	0.5	C233A222JB*****
0.0033	10.5	8.5	3.5	7.5	0.5	C233A332JB*****
0.0047	10.5	8.5	3.5	7.5	0.5	C233A472JB*****
0.0068	10.5	9.0	4.0	7.5	0.6	C233A682JB*****
0.01	10.5	11.0	5.0	7.5	0.6	C233A103JB*****
0.015	10.5	12.0	6.0	7.5	0.6	C233A153JB*****
0.001	13.0	9.0	4.0	10.0	0.6	C233A102JC*****
0.0015	13.0	9.0	4.0	10.0	0.6	C233A152JC*****
0.0022	13.0	9.0	4.0	10.0	0.6	C233A222JC*****
0.0033	13.0	9.0	4.0	10.0	0.6	C233A332JC*****
0.0047	13.0	9.0	4.0	10.0	0.6	C233A472JC*****
0.0056	13.0	9.0	4.0	10.0	0.6	C233A562JC*****
0.0068	13.0	9.0	4.0	10.0	0.6	C233A682JC*****
0.01	13.0	9.0	4.0	10.0	0.6	C233A103JC*****
0.015	13.0	11.0	5.0	10.0	0.6	C233A153JC*****
0.022	13.0	11.0	5.0	10.0	0.6	C233A223JC*****
0.01	17.5	11.0	5.0	15.0	0.8	C233A103JD*****
0.015	17.5	11.0	5.0	15.0	0.8	C233A153JD*****
0.022	17.5	11.0	5.0	15.0	0.8	C233A223JD*****
0.033	17.5	12.0	6.0	15.0	0.8	C233A333JD*****
0.047	17.5	13.5	6.0	15.0	0.8	C233A473JD*****
0.068	17.5	14.5	7.5	15.0	0.8	C233A683JD*****
0.1	17.5	15.0	8.5	15.0	0.8	C233A104JD*****
0.033	26.5	15.0	6.0	22.5	0.8	C233A333JE*****
0.047	26.5	15.0	6.0	22.5	0.8	C233A473JE*****
0.068	26.5	15.0	6.0	22.5	0.8	C233A683JE*****
0.1	26.5	15.0	6.0	22.5	0.8	C233A104JE*****
0.15	26.5	16.0	7.0	22.5	0.8	C233A154JE*****
0.22	26.5	17.0	8.5	22.5	0.8	C233A224JE*****
0.33	26.5	20.0	11.0	22.5	0.8	C233A334JE*****
0.15	32.0	18.0	9.0	27.5	0.8	C233A154JF*****
0.22	32.0	18.0	9.0	27.5	0.8	C233A224JF*****
0.33	32.0	20.0	11.0	27.5	0.8	C233A334JF*****
0.47	32.0	20.0	11.0	27.5	0.8	C233A474JF*****
0.68	32.0	28.0	14.0	27.5	0.8	C233A684JF*****
1.00	32.0	30.0	16.0	27.5	0.8	C233A105JF*****
1.50	32.0	37.0	22.0	27.5	0.8	C233A155JF*****

备注:

- 1."*****"表示内部特征代码.Internal use.
- 2."@"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.