



# 规格承认书

File No.: Q/FRK 0.GS.C.C31-D08

|         |                    |
|---------|--------------------|
| 产 品 名 称 | 金属化聚丙烯膜电容器(浸渍型)    |
| 产品型号代码  | C31 (CBB21 Series) |
| 产 品 编 码 |                    |
| 客 户 名 称 |                    |
| 客 户 编 码 |                    |
| 日 期     | 2013-10            |



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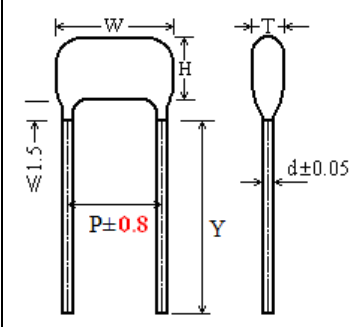
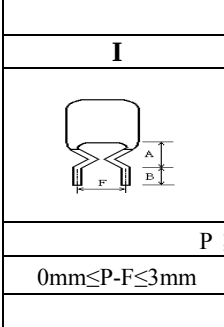
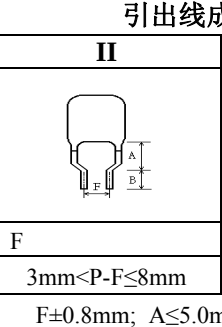
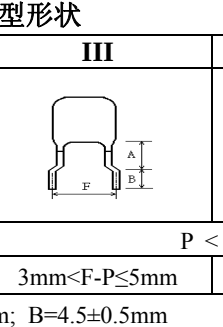


修订记录

| 序号 | 修订内容 | 修订人 | 日期 | 修订后版本号 |
|----|------|-----|----|--------|
|    |      |     |    |        |
|    |      |     |    |        |
|    |      |     |    |        |

## 金属化聚丙烯膜电容器(浸渍型)

## ■ 外形图

| 引出线成型形状                                                                            |                                                                                     |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| I                                                                                  | II                                                                                  |
|   |    |
| III                                                                                | IV                                                                                  |
|  |  |
| P ≥ F                                                                              |                                                                                     |
| 0mm ≤ P-F ≤ 3mm                                                                    | 3mm < P-F ≤ 8mm                                                                     |
| P < F                                                                              |                                                                                     |
| 3mm < F-P ≤ 5mm                                                                    | 0mm < F-P ≤ 3mm                                                                     |
| F ± 0.8mm; A ≤ 5.0mm; B = 4.5 ± 0.5mm                                              |                                                                                     |

## ■ 特点

- 金属化聚丙烯
- 高频损耗小
- 内部温升小
- 阻燃环氧粉末封装 (UL94/V-0)

## ■ 主要用途

- 广泛应用于高频、直流、交流和脉冲电路中
- 适用于要求体积小, 性能优异的彩电 S 校正电路
- 专为大屏幕显示器及彩电的 S 校正电路设计
- 适用于各种高频、大电流场合

## ■ 技术要求

|                                                                                                                  |                                                                                          |             |        |        |        |        |
|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------|--------|--------|--------|--------|
| 引用标准                                                                                                             | GB/T 14579 (IEC 60384-17)                                                                |             |        |        |        |        |
| 气候类别                                                                                                             | 40/105/21                                                                                |             |        |        |        |        |
| 额定温度                                                                                                             | 85℃                                                                                      |             |        |        |        |        |
| 工作温度                                                                                                             | -40℃~105℃<br>(+85℃ 到 +105℃: 直流电压降额系数为 1.25%/℃)                                           |             |        |        |        |        |
| 额定电压                                                                                                             | 100/160V, 200/250V, 400V, 630V, 1000/1250V                                               |             |        |        |        |        |
| 电容量范围                                                                                                            | 0.010~3.3μF                                                                              |             |        |        |        |        |
| 电容量偏差                                                                                                            | ±5%(J), ±10%(K), ±20%(M)                                                                 |             |        |        |        |        |
| 耐电压                                                                                                              | 1.6U <sub>R</sub> (5s)                                                                   |             |        |        |        |        |
| 损耗角正切                                                                                                            | ≤10×10 <sup>-4</sup> (1kHz, 20℃)                                                         |             |        |        |        |        |
| 绝缘电阻                                                                                                             | ≥100 000MΩ, C <sub>N</sub> ≤0.33μF<br>≥30 000s, C <sub>N</sub> >0.33μF (20℃, 100V, 1min) |             |        |        |        |        |
| 最大脉冲爬升速率(dV/dt)<br>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 允许值应为右表值乘以 U <sub>R</sub> /U。 | Pattern I                                                                                |             |        |        |        |        |
|                                                                                                                  | U <sub>R</sub> (V)                                                                       | dV/dt(V/us) |        |        |        |        |
|                                                                                                                  |                                                                                          | P=7.5       | P=10.0 | P=15.0 | P=20.0 | P=25.0 |
|                                                                                                                  | 100/160                                                                                  | 180         | 150    | 110    | 80     | 60     |
|                                                                                                                  | 200/250                                                                                  | 660         | 560    | 310    | 150    | 110    |
|                                                                                                                  | 400                                                                                      | 900         | 780    | 600    | 300    | 180    |
|                                                                                                                  | 630                                                                                      | 1 500       | 1 200  | 900    | 400    | 220    |
|                                                                                                                  | 1 000                                                                                    | 2 500       | 2 200  | --     | --     | --     |
|                                                                                                                  | Pattern II                                                                               |             |        |        |        |        |
|                                                                                                                  | U <sub>R</sub> (V)                                                                       | dV/dt(V/us) |        |        |        |        |
|                                                                                                                  |                                                                                          | P=7.5       | P=10.0 | P=15.0 | P=22.5 |        |
|                                                                                                                  | 100/250                                                                                  | 660         | 560    | 310    | 130    |        |
|                                                                                                                  | 400                                                                                      | 900         | 780    | 600    | 300    |        |
|                                                                                                                  | 630                                                                                      | 1 500       | 1 200  | 900    | 400    |        |
|                                                                                                                  | 1 000/1 250                                                                              | 2 500       | 2 200  | --     | --     |        |



## ■ 产品编码说明

18 位产品代码如下：

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| C | 3 | 1 |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |

第 1~3 位 型号代码

C31=CBB21

第 4~5 位 直流额定电压

2A=100V 2C=160V 2D=200V 2E=250V

2G=400V 2J=630V 3A=1000V 3B=1250V

第 6~8 位 标称容量

举例：103=10×10<sup>3</sup> pF= 0.01μF

第 9 位 容量等级

J=±5%,K=±10%, M=±10%

第 10 位 引线脚距

3=7.5mm 4=10mm 5=12.5mm

6=15mm 8=20mm 9=22.5mm

A=25mm C=30mm

第 11 位 内部特征码

S=Ⅱ型

第 12~15 位 引线加工和包装代码

第 16~18 位 内部特征码

Table 1 引线加工和包装代码

| 第 12 位 |      | 第 13 位                |                                                          | 第 14 位 |         | 第 15 位 |                                     |
|--------|------|-----------------------|----------------------------------------------------------|--------|---------|--------|-------------------------------------|
| 代码     | 说明   | 代码                    | 说明                                                       | 代码     | 说明      | 代码     | 说明                                  |
| A      | 弹带包装 | 3<br>4<br>6           | F=7.5mm<br>F=10.0mm<br>F=15.0mm                          | 1      | 表示弯脚    | A      | 产品在连续的两个载带孔之间<br>P3=12.7mm,H=20.0mm |
|        |      |                       |                                                          |        |         | E      | P3=25.4mm;H=20.0mm (P=10.0/15.0mm)  |
| F      | 引线成型 | 4<br>6<br>7<br>8<br>9 | F=10.0mm<br>F=15.0mm<br>F=17.5mm<br>F=20.0mm<br>F=22.5mm | 0      | B=4.5mm | 0      | B 的长度偏差±0.5mm                       |
| Y      | 直脚   | 代码                    | 说明                                                       |        |         | 0      | 引线长度偏差±0.5mm                        |
|        |      | 45                    | 引线长度 4.5mm                                               |        |         |        |                                     |

第 12-15 为代码为“C000”表示标准的下引线长度（20mm~30mm）



## ■ 外形尺寸 (mm)

## II 型 (小尺寸)

| 100Vdc(63Vac)/250Vdc(160Vac) <sup>#</sup> |          |          |          |      |     |                   | 400Vdc(200Vac)         |          |          |          |      |     |                   |
|-------------------------------------------|----------|----------|----------|------|-----|-------------------|------------------------|----------|----------|----------|------|-----|-------------------|
| C <sub>N</sub><br>(μF)                    | W<br>max | H<br>max | T<br>max | P    | d   | Part number       | C <sub>N</sub><br>(μF) | W<br>max | H<br>max | T<br>max | P    | d   | Part number       |
| 0.010                                     | 9.8      | 7.7      | 4.0      | 7.5  | 0.6 | C312A103-3S****++ | 0.010                  | 9.8      | 7.8      | 4.1      | 7.5  | 0.6 | C312G103-3S****++ |
| 0.011                                     | 9.8      | 7.8      | 4.2      | 7.5  | 0.6 | C312A113-3S****++ | 0.011                  | 9.8      | 7.9      | 4.2      | 7.5  | 0.6 | C312G113-3S****++ |
| 0.012                                     | 9.8      | 7.9      | 4.3      | 7.5  | 0.6 | C312A123-3S****++ | 0.012                  | 9.8      | 8.0      | 4.4      | 7.5  | 0.6 | C312G123-3S****++ |
| 0.013                                     | 9.8      | 8.0      | 4.4      | 7.5  | 0.6 | C312A133-3S****++ | 0.013                  | 9.8      | 8.1      | 4.5      | 7.5  | 0.6 | C312G133-3S****++ |
| 0.015                                     | 9.8      | 7.8      | 4.2      | 7.5  | 0.6 | C312A153-3S****++ | 0.015                  | 9.8      | 8.4      | 4.7      | 7.5  | 0.6 | C312G153-3S****++ |
| 0.016                                     | 9.8      | 7.9      | 4.3      | 7.5  | 0.6 | C312A163-3S****++ | 0.016                  | 9.8      | 8.5      | 4.8      | 7.5  | 0.6 | C312G163-3S****++ |
| 0.018                                     | 9.8      | 8.1      | 4.4      | 7.5  | 0.6 | C312A183-3S****++ | 0.018                  | 9.8      | 8.7      | 5.0      | 7.5  | 0.6 | C312G183-3S****++ |
| 0.020                                     | 9.8      | 8.2      | 4.6      | 7.5  | 0.6 | C312A203-3S****++ | 0.020                  | 9.8      | 8.9      | 5.3      | 7.5  | 0.6 | C312G203-3S****++ |
| 0.022                                     | 9.8      | 8.4      | 4.8      | 7.5  | 0.6 | C312A223-3S****++ | 0.022                  | 9.8      | 9.1      | 5.5      | 7.5  | 0.6 | C312G223-3S****++ |
| 0.024                                     | 9.8      | 8.6      | 4.9      | 7.5  | 0.6 | C312A243-3S****++ | 0.024                  | 12.3     | 8.0      | 4.3      | 10.0 | 0.6 | C312G243-4S****++ |
| 0.027                                     | 9.8      | 7.6      | 4.0      | 7.5  | 0.6 | C312A273-3S****++ | 0.027                  | 12.3     | 8.1      | 4.5      | 10.0 | 0.6 | C312G273-4S****++ |
| 0.030                                     | 9.8      | 7.7      | 4.1      | 7.5  | 0.6 | C312A303-3S****++ | 0.030                  | 12.3     | 8.3      | 4.7      | 10.0 | 0.6 | C312G303-4S****++ |
| 0.033                                     | 9.8      | 7.9      | 4.2      | 7.5  | 0.6 | C312A333-3S****++ | 0.033                  | 12.3     | 8.5      | 4.8      | 10.0 | 0.6 | C312G333-4S****++ |
| 0.036                                     | 9.8      | 8.0      | 4.4      | 7.5  | 0.6 | C312A363-3S****++ | 0.036                  | 12.3     | 8.6      | 5.0      | 10.0 | 0.6 | C312G363-4S****++ |
| 0.039                                     | 9.8      | 8.1      | 4.5      | 7.5  | 0.6 | C312A393-3S****++ | 0.039                  | 12.3     | 8.7      | 5.0      | 10.0 | 0.6 | C312G393-4S****++ |
| 0.043                                     | 9.8      | 8.3      | 4.7      | 7.5  | 0.6 | C312A433-3S****++ | 0.043                  | 12.3     | 8.8      | 5.2      | 10.0 | 0.6 | C312G433-4S****++ |
| 0.047                                     | 9.8      | 8.5      | 4.8      | 7.5  | 0.6 | C312A473-3S****++ | 0.047                  | 12.3     | 9.0      | 5.4      | 10.0 | 0.6 | C312G473-4S****++ |
| 0.051                                     | 12.3     | 8.0      | 4.3      | 10.0 | 0.6 | C312A513-4S****++ | 0.051                  | 12.3     | 9.2      | 5.6      | 10.0 | 0.6 | C312G513-4S****++ |
| 0.056                                     | 12.3     | 8.1      | 4.5      | 10.0 | 0.6 | C312A563-4S****++ | 0.056                  | 12.3     | 9.4      | 5.8      | 10.0 | 0.6 | C312G563-4S****++ |
| 0.062                                     | 12.3     | 8.3      | 4.6      | 10.0 | 0.6 | C312A623-4S****++ | 0.062                  | 12.3     | 8.9      | 5.2      | 10.0 | 0.6 | C312G623-4S****++ |
| 0.068                                     | 12.3     | 8.5      | 4.8      | 10.0 | 0.6 | C312A683-4S****++ | 0.068                  | 12.3     | 9.1      | 5.4      | 10.0 | 0.6 | C312G683-4S****++ |
| 0.075                                     | 12.3     | 8.6      | 5.0      | 10.0 | 0.6 | C312A753-4S****++ | 0.075                  | 12.3     | 9.3      | 5.7      | 10.0 | 0.6 | C312G753-4S****++ |
| 0.082                                     | 12.3     | 8.8      | 5.2      | 10.0 | 0.6 | C312A823-4S****++ | 0.082                  | 12.3     | 9.5      | 5.9      | 10.0 | 0.6 | C312G823-4S****++ |
| 0.091                                     | 12.3     | 8.1      | 4.5      | 10.0 | 0.6 | C312A913-4S****++ | 0.091                  | 12.3     | 9.8      | 6.1      | 10.0 | 0.6 | C312G913-4S****++ |
| 0.10                                      | 12.3     | 8.3      | 4.7      | 10.0 | 0.6 | C312A104-4S****++ | 0.10                   | 12.3     | 10.0     | 6.4      | 10.0 | 0.6 | C312G104-4S****++ |
| 0.11                                      | 12.3     | 8.5      | 4.8      | 10.0 | 0.6 | C312A114-4S****++ | 0.11                   | 12.3     | 10.3     | 6.6      | 10.0 | 0.6 | C312G114-4S****++ |
| 0.12                                      | 12.3     | 8.6      | 5.0      | 10.0 | 0.6 | C312A124-4S****++ | 0.12                   | 17.5     | 10.7     | 5.5      | 15.0 | 0.6 | C312G124-6S****++ |
| 0.13                                      | 12.3     | 8.6      | 4.9      | 10.0 | 0.6 | C312A134-4S****++ | 0.13                   | 17.5     | 10.9     | 5.7      | 15.0 | 0.6 | C312G134-6S****++ |
| 0.15                                      | 12.3     | 8.9      | 5.2      | 10.0 | 0.6 | C312A154-4S****++ | 0.15                   | 17.5     | 11.2     | 6.0      | 15.0 | 0.6 | C312G154-6S****++ |
| 0.16                                      | 12.3     | 9.0      | 5.4      | 10.0 | 0.6 | C312A164-4S****++ | 0.16                   | 17.5     | 11.3     | 6.1      | 15.0 | 0.6 | C312G164-6S****++ |
| 0.18                                      | 12.3     | 9.3      | 5.6      | 10.0 | 0.6 | C312A184-4S****++ | 0.18                   | 17.5     | 11.6     | 6.4      | 15.0 | 0.6 | C312G184-6S****++ |
| 0.20                                      | 12.3     | 9.5      | 5.9      | 10.0 | 0.6 | C312A204-4S****++ | 0.20                   | 17.5     | 11.9     | 6.7      | 15.0 | 0.6 | C312G204-6S****++ |
| 0.22                                      | 12.3     | 9.8      | 6.1      | 10.0 | 0.6 | C312A224-4S****++ | 0.22                   | 17.5     | 12.2     | 7.0      | 15.0 | 0.6 | C312G224-6S****++ |
| 0.24                                      | 12.3     | 10.0     | 6.4      | 10.0 | 0.6 | C312A244-4S****++ | 0.24                   | 17.5     | 12.5     | 7.3      | 15.0 | 0.6 | C312G244-6S****++ |
| 0.27                                      | 17.5     | 10.5     | 5.3      | 15.0 | 0.6 | C312A274-6S****++ | 0.27                   | 17.5     | 12.9     | 7.6      | 15.0 | 0.8 | C312G274-6S****++ |
| 0.30                                      | 17.5     | 10.8     | 5.5      | 15.0 | 0.6 | C312A304-6S****++ | 0.30                   | 17.5     | 13.7     | 8.0      | 15.0 | 0.8 | C312G304-6S****++ |
| 0.33                                      | 17.5     | 11.0     | 5.8      | 15.0 | 0.6 | C312A334-6S****++ | 0.33                   | 17.5     | 14.1     | 8.4      | 15.0 | 0.8 | C312G334-6S****++ |
| 0.36                                      | 17.5     | 11.2     | 6.0      | 15.0 | 0.6 | C312A364-6S****++ | 0.36                   | 17.5     | 14.4     | 8.7      | 15.0 | 0.8 | C312G364-6S****++ |
| 0.39                                      | 17.5     | 11.4     | 6.2      | 15.0 | 0.6 | C312A394-6S****++ | 0.39                   | 17.5     | 14.7     | 9.0      | 15.0 | 0.8 | C312G394-6S****++ |
| 0.43                                      | 17.5     | 11.6     | 6.4      | 15.0 | 0.6 | C312A434-6S****++ | 0.43                   | 17.5     | 15.1     | 9.4      | 15.0 | 0.8 | C312G434-6S****++ |
| 0.47                                      | 17.5     | 11.9     | 6.6      | 15.0 | 0.6 | C312A474-6S****++ | 0.47                   | 17.5     | 15.5     | 9.8      | 15.0 | 0.8 | C312G474-6S****++ |
| 0.51                                      | 17.5     | 12.1     | 6.9      | 15.0 | 0.6 | C312A514-6S****++ | 0.51                   | 25.2     | 14.8     | 7.6      | 22.5 | 0.8 | C312G514-9S****++ |
| 0.56                                      | 17.5     | 12.4     | 7.2      | 15.0 | 0.6 | C312A564-6S****++ | 0.56                   | 25.2     | 15.2     | 7.9      | 22.5 | 0.8 | C312G564-9S****++ |
| 0.62                                      | 17.5     | 12.7     | 7.5      | 15.0 | 0.8 | C312A624-6S****++ | 0.62                   | 25.2     | 15.6     | 8.3      | 22.5 | 0.8 | C312G624-9S****++ |
| 0.68                                      | 17.5     | 13.5     | 7.8      | 15.0 | 0.8 | C312A684-6S****++ | 0.68                   | 25.2     | 15.9     | 9.1      | 22.5 | 0.8 | C312G684-9S****++ |
| 0.75                                      | 17.5     | 13.9     | 8.2      | 15.0 | 0.8 | C312A754-6S****++ | 0.75                   | 25.2     | 16.3     | 9.6      | 22.5 | 0.8 | C312G754-9S****++ |
| 0.82                                      | 17.5     | 14.2     | 8.5      | 15.0 | 0.8 | C312A824-6S****++ | 0.82                   | 25.2     | 16.7     | 10.0     | 22.5 | 0.8 | C312G824-9S****++ |
| 0.91                                      | 17.5     | 14.9     | 8.9      | 15.0 | 0.8 | C312A914-6S****++ | 0.91                   | 25.2     | 17.2     | 10.5     | 22.5 | 0.8 | C312G914-9S****++ |
| 1.0                                       | 17.5     | 15.0     | 9.3      | 15.0 | 0.8 | C312A105-6S****++ | 1.0                    | 25.2     | 17.7     | 10.9     | 22.5 | 0.8 | C312G105-9S****++ |
| 1.1                                       | 17.5     | 15.5     | 9.7      | 15.0 | 0.8 | C312A115-6S****++ |                        |          |          |          |      |     |                   |
| 1.2                                       | 25.2     | 14.8     | 7.5      | 22.5 | 0.8 | C312A125-9S****++ |                        |          |          |          |      |     |                   |
| 1.3                                       | 25.2     | 15.1     | 7.8      | 22.5 | 0.8 | C312A135-9S****++ |                        |          |          |          |      |     |                   |
| 1.5                                       | 25.2     | 15.6     | 8.3      | 22.5 | 0.8 | C312A155-9S****++ |                        |          |          |          |      |     |                   |
| 1.6                                       | 25.2     | 15.9     | 8.6      | 22.5 | 0.8 | C312A165-9S****++ |                        |          |          |          |      |     |                   |
| 1.8                                       | 25.2     | 16.4     | 9.1      | 22.5 | 0.8 | C312A185-9S****++ |                        |          |          |          |      |     |                   |
| 2.0                                       | 25.2     | 16.9     | 10.1     | 22.5 | 0.8 | C312A205-9S****++ |                        |          |          |          |      |     |                   |
| 2.2                                       | 25.2     | 18.3     | 9.9      | 22.5 | 0.8 | C312A225-9S****++ |                        |          |          |          |      |     |                   |
| 2.4                                       | 25.2     | 18.7     | 10.4     | 22.5 | 0.8 | C312A245-9S****++ |                        |          |          |          |      |     |                   |
| 2.7                                       | 25.2     | 19.3     | 10.9     | 22.5 | 0.8 | C312A275-9S****++ |                        |          |          |          |      |     |                   |
| 3.0                                       | 25.2     | 19.9     | 11.6     | 22.5 | 0.8 | C312A305-9S****++ |                        |          |          |          |      |     |                   |
| 3.3                                       | 25.2     | 20.5     | 12.1     | 22.5 | 0.8 | C312A335-9S****++ |                        |          |          |          |      |     |                   |

备注: 1. “-”表示容量偏差, M=±20%,K=±10%,J=±5%。

2. “\*\*\*\*”表示引线加工和包装代码(见表1)。



3. “#”当额定电压为 250Vdc 时，第 4~5 位是 2E。

## ■ 外形尺寸 (mm)

### II 型 (小尺寸)

| 630Vdc(220Vac) <sup>@</sup> |          |          |          |      |     |                   | 630Vdc(220Vac) <sup>@</sup> |          |          |          |      |     |                   | 1 000/1 250Vdc <sup>#</sup> (400Vac) |          |          |          |      |     |                   |
|-----------------------------|----------|----------|----------|------|-----|-------------------|-----------------------------|----------|----------|----------|------|-----|-------------------|--------------------------------------|----------|----------|----------|------|-----|-------------------|
| C <sub>N</sub><br>(μF)      | W<br>max | H<br>max | T<br>max | P    | d   | Part number       | C <sub>N</sub><br>(μF)      | W<br>max | H<br>max | T<br>max | P    | d   | Part number       | C <sub>N</sub><br>(μF)               | W<br>max | H<br>max | T<br>max | P    | d   | Part number       |
| 0.0010                      | 10.0     | 7.9      | 4.3      | 7.5  | 0.6 | C312J102-3S****++ | 0.027                       | 12.3     | 9.4      | 5.7      | 10.0 | 0.6 | C312J273-4S****++ | 0.0010                               | 10.0     | 7.9      | 4.3      | 7.5  | 0.6 | C313A102-3S****++ |
| 0.0011                      | 10.0     | 8.1      | 4.4      | 7.5  | 0.6 | C312J112-3S****++ | 0.030                       | 12.3     | 9.6      | 6.0      | 10.0 | 0.6 | C312J303-4S****++ | 0.0011                               | 10.0     | 8.1      | 4.4      | 7.5  | 0.6 | C313A112-3S****++ |
| 0.0012                      | 10.0     | 8.2      | 4.5      | 7.5  | 0.6 | C312J122-3S****++ | 0.033                       | 12.3     | 9.9      | 6.2      | 10.0 | 0.6 | C312J333-4S****++ | 0.0012                               | 10.0     | 8.2      | 4.5      | 7.5  | 0.6 | C313A122-3S****++ |
| 0.0013                      | 10.0     | 8.3      | 4.7      | 7.5  | 0.6 | C312J132-3S****++ | 0.036                       | 12.3     | 10.1     | 6.4      | 10.0 | 0.6 | C312J363-4S****++ | 0.0013                               | 10.0     | 8.3      | 4.7      | 7.5  | 0.6 | C313A132-3S****++ |
| 0.0015                      | 10.0     | 8.1      | 4.4      | 7.5  | 0.6 | C312J152-3S****++ | 0.039                       | 12.3     | 10.3     | 6.7      | 10.0 | 0.6 | C312J393-4S****++ | 0.0015                               | 10.0     | 8.1      | 4.4      | 7.5  | 0.6 | C313A152-3S****++ |
| 0.0016                      | 10.0     | 8.2      | 4.5      | 7.5  | 0.6 | C312J162-3S****++ | 0.043                       | 17.5     | 10.7     | 5.4      | 15.0 | 0.6 | C312J433-6S****++ | 0.0016                               | 10.0     | 8.2      | 4.5      | 7.5  | 0.6 | C313A162-3S****++ |
| 0.0018                      | 10.0     | 7.8      | 4.2      | 7.5  | 0.6 | C312J182-3S****++ | 0.047                       | 17.5     | 10.8     | 5.6      | 15.0 | 0.6 | C312J473-6S****++ | 0.0018                               | 10.0     | 7.8      | 4.2      | 7.5  | 0.6 | C313A182-3S****++ |
| 0.0020                      | 10.0     | 8.0      | 4.3      | 7.5  | 0.6 | C312J202-3S****++ | 0.051                       | 17.5     | 11.0     | 5.8      | 15.0 | 0.6 | C312J513-6S****++ | 0.0020                               | 10.0     | 8.0      | 4.3      | 7.5  | 0.6 | C313A202-3S****++ |
| 0.0022                      | 10.0     | 8.1      | 4.5      | 7.5  | 0.6 | C312J222-3S****++ | 0.056                       | 17.5     | 11.2     | 6.0      | 15.0 | 0.6 | C312J563-6S****++ | 0.0022                               | 10.0     | 8.1      | 4.5      | 7.5  | 0.6 | C313A222-3S****++ |
| 0.0024                      | 9.8      | 8.0      | 4.3      | 7.5  | 0.6 | C312J242-3S****++ | 0.062                       | 17.5     | 11.4     | 6.2      | 15.0 | 0.6 | C312J623-6S****++ | 0.0024                               | 10.0     | 7.7      | 4.0      | 7.5  | 0.6 | C313A242-3S****++ |
| 0.0027                      | 9.8      | 8.1      | 4.5      | 7.5  | 0.6 | C312J272-3S****++ | 0.068                       | 17.5     | 11.7     | 6.5      | 15.0 | 0.6 | C312J683-6S****++ | 0.0027                               | 10.0     | 7.8      | 4.2      | 7.5  | 0.6 | C313A272-3S****++ |
| 0.0030                      | 9.8      | 8.3      | 4.7      | 7.5  | 0.6 | C312J302-3S****++ | 0.075                       | 17.5     | 11.9     | 6.7      | 15.0 | 0.6 | C312J753-6S****++ | 0.0030                               | 10.0     | 8.0      | 4.4      | 7.5  | 0.6 | C313A302-3S****++ |
| 0.0033                      | 9.8      | 8.5      | 4.8      | 7.5  | 0.6 | C312J332-3S****++ | 0.082                       | 17.5     | 12.2     | 7.0      | 15.0 | 0.6 | C312J823-6S****++ | 0.0033                               | 10.0     | 8.2      | 4.5      | 7.5  | 0.6 | C313A332-3S****++ |
| 0.0036                      | 9.8      | 8.0      | 4.4      | 7.5  | 0.6 | C312J362-3S****++ | 0.091                       | 17.5     | 12.5     | 7.3      | 15.0 | 0.6 | C312J913-6S****++ | 0.0036                               | 10.0     | 8.3      | 4.7      | 7.5  | 0.6 | C313A362-3S****++ |
| 0.0039                      | 9.8      | 8.2      | 4.5      | 7.5  | 0.6 | C312J392-3S****++ | 0.10                        | 17.5     | 12.8     | 7.6      | 15.0 | 0.8 | C312J104-6S****++ | 0.0039                               | 10.0     | 8.4      | 4.8      | 7.5  | 0.6 | C313A392-3S****++ |
| 0.0043                      | 9.8      | 8.3      | 4.7      | 7.5  | 0.6 | C312J432-3S****++ | 0.11                        | 17.5     | 13.6     | 7.9      | 15.0 | 0.8 | C312J114-6S****++ | 0.0043                               | 10.0     | 8.2      | 4.5      | 7.5  | 0.6 | C313A432-3S****++ |
| 0.0047                      | 9.8      | 8.5      | 4.9      | 7.5  | 0.6 | C312J472-3S****++ | 0.12                        | 17.5     | 13.9     | 8.2      | 15.0 | 0.8 | C312J124-6S****++ | 0.0047                               | 10.0     | 8.3      | 4.7      | 7.5  | 0.6 | C313A472-3S****++ |
| 0.0051                      | 9.8      | 8.6      | 5.0      | 7.5  | 0.6 | C312J512-3S****++ | 0.13                        | 17.5     | 14.2     | 8.5      | 15.0 | 0.8 | C312J134-6S****++ | 0.0051                               | 10.0     | 8.5      | 4.8      | 7.5  | 0.6 | C313A512-3S****++ |
| 0.0056                      | 9.8      | 8.8      | 5.2      | 7.5  | 0.6 | C312J562-3S****++ | 0.15                        | 17.5     | 14.7     | 9.0      | 15.0 | 0.8 | C312J154-6S****++ | 0.0056                               | 10.0     | 8.7      | 5.0      | 7.5  | 0.6 | C313A562-3S****++ |
| 0.0062                      | 9.8      | 9.0      | 5.4      | 7.5  | 0.6 | C312J622-3S****++ | 0.16                        | 17.5     | 15.0     | 9.3      | 15.0 | 0.8 | C312J164-6S****++ | 0.0062                               | 10.0     | 8.7      | 5.0      | 7.5  | 0.6 | C313A622-3S****++ |
| 0.0068                      | 12.3     | 8.0      | 4.4      | 10.0 | 0.6 | C312J682-4S****++ | 0.18                        | 17.5     | 15.5     | 9.8      | 15.0 | 0.8 | C312J184-6S****++ | 0.0068                               | 12.0     | 8.9      | 5.2      | 10.0 | 0.6 | C313A682-4S****++ |
| 0.0075                      | 12.3     | 8.2      | 4.5      | 10.0 | 0.6 | C312J752-4S****++ | 0.20                        | 17.5     | 16.0     | 10.3     | 15.0 | 0.8 | C312J204-6S****++ | 0.0075                               | 12.0     | 9.1      | 5.4      | 10.0 | 0.6 | C313A752-4S****++ |
| 0.0082                      | 12.3     | 8.3      | 4.7      | 10.0 | 0.6 | C312J822-4S****++ | 0.22                        | 25.2     | 15.2     | 7.9      | 22.5 | 0.8 | C312J224-9S****++ | 0.0082                               | 12.0     | 9.3      | 5.6      | 10.0 | 0.6 | C313A822-4S****++ |
| 0.0091                      | 12.3     | 8.5      | 4.9      | 10.0 | 0.6 | C312J912-4S****++ | 0.24                        | 25.2     | 15.5     | 8.2      | 22.5 | 0.8 | C312J244-9S****++ | 0.0091                               | 12.0     | 9.5      | 5.9      | 10.0 | 0.6 | C313A912-4S****++ |
| 0.010                       | 12.3     | 7.8      | 4.1      | 10.0 | 0.6 | C312J103-4S****++ | 0.27                        | 25.2     | 15.9     | 9.2      | 22.5 | 0.8 | C312J274-9S****++ | 0.010                                | 12.0     | 9.9      | 6.3      | 10.0 | 0.6 | C313A103-4S****++ |
| 0.011                       | 12.3     | 7.9      | 4.2      | 10.0 | 0.6 | C312J113-4S****++ | 0.30                        | 25.2     | 16.4     | 9.6      | 22.5 | 0.8 | C312J304-9S****++ |                                      |          |          |          |      |     |                   |
| 0.012                       | 12.3     | 8.0      | 4.4      | 10.0 | 0.6 | C312J123-4S****++ | 0.33                        | 25.2     | 16.8     | 10.0     | 22.5 | 0.8 | C312J334-9S****++ |                                      |          |          |          |      |     |                   |
| 0.013                       | 12.3     | 8.1      | 4.5      | 10.0 | 0.6 | C312J133-4S****++ | 0.36                        | 25.2     | 17.2     | 10.4     | 22.5 | 0.8 | C312J364-9S****++ |                                      |          |          |          |      |     |                   |
| 0.015                       | 12.3     | 8.3      | 4.7      | 10.0 | 0.6 | C312J153-4S****++ | 0.39                        | 25.2     | 17.6     | 10.8     | 22.5 | 0.8 | C312J394-9S****++ |                                      |          |          |          |      |     |                   |
| 0.016                       | 12.3     | 8.5      | 4.8      | 10.0 | 0.6 | C312J163-4S****++ | 0.43                        | 25.2     | 18.1     | 11.3     | 22.5 | 0.8 | C312J434-9S****++ |                                      |          |          |          |      |     |                   |
| 0.018                       | 12.3     | 8.6      | 4.9      | 10.0 | 0.6 | C312J183-4S****++ | 0.47                        | 25.2     | 18.6     | 11.8     | 22.5 | 0.8 | C312J474-9S****++ |                                      |          |          |          |      |     |                   |
| 0.020                       | 12.3     | 8.8      | 5.1      | 10.0 | 0.6 | C312J203-4S****++ | 0.51                        | 25.2     | 19.0     | 12.2     | 22.5 | 0.8 | C312J514-9S****++ |                                      |          |          |          |      |     |                   |
| 0.022                       | 12.3     | 8.9      | 5.3      | 10.0 | 0.6 | C312J223-4S****++ | 0.56                        | 25.2     | 19.6     | 12.8     | 22.5 | 0.8 | C312J564-9S****++ |                                      |          |          |          |      |     |                   |
| 0.024                       | 12.3     | 9.1      | 5.5      | 10.0 | 0.6 | C312J243-4S****++ |                             |          |          |          |      |     |                   |                                      |          |          |          |      |     |                   |

备注：1. “-”表示容量偏差，M=±20%,K=±10%,J=±5%。

2. “\*\*\*\*”表示引线加工和包装代码（见表 1）。

3. “#”当额定电压为 1250Vdc 时，第 4~5 位是 3B。

4. “@”不用作跨线，请参见抗干扰电容器。



## ■ 外形尺寸 (mm)

## I 型 (高可靠性)

| 100Vdc(63Vac)/160Vdc(90Vac) <sup>#</sup> |          |          |          |      |     |                   | 250Vdc(160Vac)         |          |          |          |      |     |                   | 400Vdc(200Vac)         |          |          |          |      |     |                   |
|------------------------------------------|----------|----------|----------|------|-----|-------------------|------------------------|----------|----------|----------|------|-----|-------------------|------------------------|----------|----------|----------|------|-----|-------------------|
| C <sub>N</sub><br>(μF)                   | W<br>max | H<br>max | T<br>max | P    | d   | Part number       | C <sub>N</sub><br>(μF) | W<br>max | H<br>max | T<br>max | P    | d   | Part number       | C <sub>N</sub><br>(μF) | W<br>max | H<br>max | T<br>max | P    | d   | Part number       |
| 0.010                                    | 10.0     | 10.0     | 6.0      | 7.5  | 0.6 | C312A103-30****++ | 0.010                  | 10.0     | 10.0     | 6.0      | 7.5  | 0.6 | C312E103-30****++ | 0.010                  | 10.0     | 10.0     | 6.0      | 7.5  | 0.6 | C312G103-30****++ |
| 0.011                                    | 10.0     | 10.0     | 6.0      | 7.5  | 0.6 | C312A113-30****++ | 0.011                  | 10.0     | 10.0     | 6.0      | 7.5  | 0.6 | C312E113-30****++ | 0.011                  | 10.0     | 10.0     | 6.0      | 7.5  | 0.6 | C312G113-30****++ |
| 0.012                                    | 10.0     | 10.5     | 6.5      | 7.5  | 0.6 | C312A123-30****++ | 0.012                  | 10.0     | 10.5     | 6.5      | 7.5  | 0.6 | C312E123-30****++ | 0.012                  | 10.0     | 10.5     | 6.5      | 7.5  | 0.6 | C312G123-30****++ |
| 0.013                                    | 10.0     | 10.5     | 6.5      | 7.5  | 0.6 | C312A133-30****++ | 0.013                  | 10.0     | 9.0      | 6.5      | 7.5  | 0.6 | C312E133-30****++ | 0.013                  | 10.0     | 10.5     | 6.5      | 7.5  | 0.6 | C312G133-30****++ |
| 0.015                                    | 10.0     | 11.0     | 7.0      | 7.5  | 0.6 | C312A153-30****++ | 0.015                  | 10.0     | 9.5      | 6.0      | 7.5  | 0.6 | C312E153-30****++ | 0.015                  | 10.0     | 11.0     | 7.0      | 7.5  | 0.6 | C312G153-30****++ |
| 0.016                                    | 10.0     | 11.0     | 7.0      | 7.5  | 0.6 | C312A163-30****++ | 0.016                  | 10.0     | 9.5      | 6.0      | 7.5  | 0.6 | C312E163-30****++ | 0.016                  | 10.0     | 11.0     | 7.0      | 7.5  | 0.6 | C312G163-30****++ |
| 0.018                                    | 10.0     | 11.0     | 7.5      | 7.5  | 0.6 | C312A183-30****++ | 0.018                  | 10.0     | 10.0     | 6.0      | 7.5  | 0.6 | C312E183-30****++ | 0.018                  | 10.0     | 11.0     | 7.5      | 7.5  | 0.6 | C312G183-30****++ |
| 0.020                                    | 10.0     | 9.0      | 5.0      | 7.5  | 0.6 | C312A203-30****++ | 0.020                  | 10.0     | 9.0      | 5.0      | 7.5  | 0.6 | C312E203-30****++ | 0.020                  | 10.0     | 11.5     | 7.5      | 7.5  | 0.6 | C312G203-30****++ |
| 0.022                                    | 10.0     | 9.0      | 5.5      | 7.5  | 0.6 | C312A223-30****++ | 0.022                  | 10.0     | 9.0      | 5.5      | 7.5  | 0.6 | C312E223-30****++ | 0.022                  | 10.0     | 12.0     | 8.0      | 7.5  | 0.6 | C312G223-30****++ |
| 0.024                                    | 10.0     | 9.0      | 5.5      | 7.5  | 0.6 | C312A243-30****++ | 0.024                  | 10.0     | 9.5      | 5.5      | 7.5  | 0.6 | C312E243-30****++ | 0.024                  | 13.0     | 10.5     | 6.5      | 10.0 | 0.6 | C312G243-40****++ |
| 0.027                                    | 10.0     | 9.5      | 5.5      | 7.5  | 0.6 | C312A273-30****++ | 0.027                  | 10.0     | 9.5      | 5.5      | 7.5  | 0.6 | C312E273-30****++ | 0.027                  | 13.0     | 12.0     | 6.5      | 10.0 | 0.6 | C312G273-40****++ |
| 0.030                                    | 10.0     | 9.5      | 6.0      | 7.5  | 0.6 | C312A303-30****++ | 0.030                  | 10.0     | 9.5      | 6.0      | 7.5  | 0.6 | C312E303-30****++ | 0.030                  | 13.0     | 12.0     | 6.5      | 10.0 | 0.6 | C312G303-40****++ |
| 0.033                                    | 10.0     | 10.0     | 6.0      | 7.5  | 0.6 | C312A333-30****++ | 0.033                  | 10.0     | 10.0     | 6.0      | 7.5  | 0.6 | C312E333-30****++ | 0.033                  | 13.0     | 12.0     | 7.0      | 10.0 | 0.6 | C312G333-40****++ |
| 0.036                                    | 10.0     | 10.0     | 6.0      | 7.5  | 0.6 | C312A363-30****++ | 0.036                  | 10.0     | 10.0     | 6.0      | 7.5  | 0.6 | C312E363-30****++ | 0.036                  | 13.0     | 12.5     | 7.0      | 10.0 | 0.6 | C312G363-40****++ |
| 0.039                                    | 10.0     | 10.0     | 6.5      | 7.5  | 0.6 | C312A393-30****++ | 0.039                  | 10.0     | 10.0     | 6.5      | 7.5  | 0.6 | C312E393-30****++ | 0.039                  | 13.0     | 12.5     | 7.0      | 10.0 | 0.6 | C312G393-40****++ |
| 0.043                                    | 10.0     | 10.5     | 6.5      | 7.5  | 0.6 | C312A433-30****++ | 0.043                  | 10.0     | 10.5     | 6.5      | 7.5  | 0.6 | C312E433-30****++ | 0.043                  | 13.0     | 13.0     | 7.5      | 10.0 | 0.6 | C312G433-40****++ |
| 0.047                                    | 10.0     | 10.5     | 7.0      | 7.5  | 0.6 | C312A473-30****++ | 0.047                  | 10.0     | 10.5     | 7.0      | 7.5  | 0.6 | C312E473-30****++ | 0.047                  | 13.0     | 13.0     | 8.0      | 10.0 | 0.6 | C312G473-40****++ |
| 0.051                                    | 10.0     | 9.0      | 5.5      | 7.5  | 0.6 | C312A513-30****++ | 0.051                  | 13.0     | 10.0     | 6.0      | 10.0 | 0.6 | C312E513-40****++ | 0.051                  | 13.0     | 13.5     | 8.0      | 10.0 | 0.6 | C312G513-40****++ |
| 0.056                                    | 10.0     | 9.0      | 5.5      | 7.5  | 0.6 | C312A563-30****++ | 0.056                  | 13.0     | 10.0     | 6.5      | 10.0 | 0.6 | C312E563-40****++ | 0.056                  | 13.0     | 14.0     | 8.5      | 10.0 | 0.6 | C312G563-40****++ |
| 0.062                                    | 10.0     | 9.5      | 5.5      | 7.5  | 0.6 | C312A623-30****++ | 0.062                  | 13.0     | 10.5     | 6.5      | 10.0 | 0.6 | C312E623-40****++ | 0.062                  | 19.0     | 12.0     | 6.5      | 15.0 | 0.6 | C312G623-60****++ |
| 0.068                                    | 10.0     | 9.5      | 6.0      | 7.5  | 0.6 | C312A683-30****++ | 0.068                  | 13.0     | 10.5     | 7.0      | 10.0 | 0.6 | C312E683-40****++ | 0.068                  | 19.0     | 13.5     | 6.5      | 15.0 | 0.6 | C312G683-60****++ |
| 0.075                                    | 10.0     | 9.5      | 6.0      | 7.5  | 0.6 | C312A753-30****++ | 0.075                  | 13.0     | 11.0     | 7.0      | 10.0 | 0.6 | C312E753-40****++ | 0.075                  | 19.0     | 13.5     | 6.5      | 15.0 | 0.6 | C312G753-60****++ |
| 0.082                                    | 10.0     | 10.5     | 6.0      | 7.5  | 0.6 | C312A823-30****++ | 0.082                  | 13.0     | 10.5     | 6.0      | 10.0 | 0.6 | C312E823-40****++ | 0.082                  | 19.0     | 13.5     | 7.0      | 15.0 | 0.6 | C312G823-60****++ |
| 0.091                                    | 10.0     | 10.5     | 6.0      | 7.5  | 0.6 | C312A913-30****++ | 0.091                  | 13.0     | 11.0     | 6.0      | 10.0 | 0.6 | C312E913-40****++ | 0.091                  | 19.0     | 14.0     | 7.0      | 15.0 | 0.6 | C312G913-60****++ |
| 0.10                                     | 10.0     | 10.5     | 6.5      | 7.5  | 0.6 | C312A104-30****++ | 0.10                   | 13.0     | 11.0     | 6.5      | 10.0 | 0.6 | C312E104-40****++ | 0.10                   | 19.0     | 14.5     | 7.5      | 15.0 | 0.6 | C312G104-60****++ |
| 0.11                                     | 10.0     | 11.0     | 6.5      | 7.5  | 0.6 | C312A114-30****++ | 0.11                   | 13.0     | 11.0     | 6.5      | 10.0 | 0.6 | C312E114-40****++ | 0.11                   | 19.0     | 14.5     | 8.0      | 15.0 | 0.6 | C312G114-60****++ |
| 0.12                                     | 10.0     | 11.0     | 6.5      | 7.5  | 0.6 | C312A124-30****++ | 0.12                   | 13.0     | 11.5     | 7.0      | 10.0 | 0.6 | C312E124-40****++ | 0.12                   | 19.0     | 15.0     | 8.0      | 15.0 | 0.6 | C312G124-60****++ |
| 0.13                                     | 13.0     | 10.5     | 6.0      | 10.0 | 0.6 | C312A134-40****++ | 0.13                   | 19.0     | 12.0     | 6.5      | 15.0 | 0.6 | C312E134-60****++ | 0.13                   | 19.0     | 15.0     | 8.5      | 15.0 | 0.6 | C312G134-60****++ |
| 0.15                                     | 13.0     | 11.0     | 6.5      | 10.0 | 0.6 | C312A154-40****++ | 0.15                   | 19.0     | 12.0     | 7.0      | 15.0 | 0.6 | C312E154-60****++ | 0.15                   | 19.0     | 15.5     | 9.0      | 15.0 | 0.6 | C312G154-60****++ |
| 0.16                                     | 13.0     | 11.0     | 6.5      | 10.0 | 0.6 | C312A164-40****++ | 0.16                   | 19.0     | 12.5     | 7.0      | 15.0 | 0.6 | C312E164-60****++ | 0.16                   | 19.0     | 16.0     | 9.0      | 15.0 | 0.8 | C312G164-60****++ |
| 0.18                                     | 13.0     | 12.0     | 6.5      | 10.0 | 0.6 | C312A184-40****++ | 0.18                   | 19.0     | 13.5     | 7.0      | 15.0 | 0.6 | C312E184-60****++ | 0.18                   | 24.0     | 15.0     | 8.0      | 20.0 | 0.8 | C312G184-80****++ |
| 0.20                                     | 13.0     | 12.0     | 7.0      | 10.0 | 0.6 | C312A204-40****++ | 0.20                   | 19.0     | 14.0     | 7.0      | 15.0 | 0.6 | C312E204-60****++ | 0.20                   | 24.0     | 15.0     | 8.5      | 20.0 | 0.8 | C312G204-80****++ |
| 0.22                                     | 13.0     | 12.5     | 7.0      | 10.0 | 0.6 | C312A224-40****++ | 0.22                   | 19.0     | 14.0     | 7.5      | 15.0 | 0.6 | C312E224-60****++ | 0.22                   | 24.0     | 16.0     | 8.5      | 20.0 | 0.8 | C312G224-80****++ |
| 0.24                                     | 13.0     | 12.5     | 7.5      | 10.0 | 0.6 | C312A244-40****++ | 0.24                   | 19.0     | 14.5     | 7.5      | 15.0 | 0.6 | C312E244-60****++ | 0.24                   | 24.0     | 16.0     | 9.0      | 20.0 | 0.8 | C312G244-80****++ |
| 0.27                                     | 13.0     | 13.0     | 7.5      | 10.0 | 0.6 | C312A274-40****++ | 0.27                   | 19.0     | 15.0     | 8.0      | 15.0 | 0.6 | C312E274-60****++ | 0.27                   | 24.0     | 16.5     | 9.5      | 20.0 | 0.8 | C312G274-80****++ |
| 0.30                                     | 19.0     | 11.5     | 6.5      | 15.0 | 0.6 | C312A304-60****++ | 0.30                   | 19.0     | 15.0     | 8.5      | 15.0 | 0.6 | C312E304-60****++ | 0.30                   | 24.0     | 17.0     | 10.0     | 20.0 | 0.8 | C312G304-80****++ |
| 0.33                                     | 19.0     | 12.0     | 6.5      | 15.0 | 0.6 | C312A334-60****++ | 0.33                   | 19.0     | 15.5     | 9.0      | 15.0 | 0.6 | C312E334-60****++ | 0.33                   | 24.0     | 17.5     | 10.0     | 20.0 | 0.8 | C312G334-80****++ |
| 0.36                                     | 19.0     | 12.0     | 7.0      | 15.0 | 0.6 | C312A364-60****++ | 0.36                   | 24.0     | 14.0     | 8.5      | 20.0 | 0.8 | C312E364-80****++ | 0.36                   | 29.0     | 16.5     | 9.5      | 25.0 | 0.8 | C312G364-A0****++ |
| 0.39                                     | 19.0     | 12.5     | 7.0      | 15.0 | 0.6 | C312A394-60****++ | 0.39                   | 24.0     | 14.5     | 8.5      | 20.0 | 0.8 | C312E394-80****++ | 0.39                   | 29.0     | 17.0     | 9.5      | 25.0 | 0.8 | C312G394-A0****++ |
| 0.43                                     | 19.0     | 12.5     | 7.5      | 15.0 | 0.6 | C312A434-60****++ | 0.43                   | 24.0     | 15.0     | 8.5      | 20.0 | 0.8 | C312E434-80****++ | 0.43                   | 29.0     | 17.5     | 10.0     | 25.0 | 0.8 | C312G434-A0****++ |
| 0.47                                     | 19.0     | 13.0     | 7.5      | 15.0 | 0.6 | C312A474-60****++ | 0.47                   | 24.0     | 15.0     | 9.0      | 20.0 | 0.8 | C312E474-80****++ | 0.47                   | 29.0     | 18.5     | 10.0     | 25.0 | 0.8 | C312G474-A0****++ |
| 0.51                                     | 19.0     | 13.0     | 8.0      | 15.0 | 0.6 | C312A514-60****++ | 0.51                   | 24.0     | 15.5     | 9.5      | 20.0 | 0.8 | C312E514-80****++ | 0.51                   | 29.0     | 19.0     | 10.5     | 25.0 | 0.8 | C312G514-A0****++ |
| 0.56                                     | 19.0     | 13.5     | 8.0      | 15.0 | 0.6 | C312A564-60****++ | 0.56                   | 24.0     | 16.0     | 10.0     | 20.0 | 0.8 | C312E564-80****++ | 0.56                   | 29.0     | 19.5     | 11.0     | 25.0 | 0.8 | C312G564-A0****++ |
| 0.62                                     | 19.0     | 13.5     | 8.5      | 15.0 | 0.6 | C312A624-60****++ | 0.62                   | 24.0     | 16.5     | 10.0     | 20.0 | 0.8 | C312E624-80****++ | 0.62                   | 29.0     | 20.0     | 11.5     | 25.0 | 0.8 | C312G624-A0****++ |
| 0.68                                     | 19.0     | 14.0     | 9.0      | 15.0 | 0.6 | C312A684-60****++ | 0.68                   | 24.0     | 17.5     | 10.5     | 20.0 | 0.8 | C312E684-80****++ | 0.68                   | 29.0     | 19.5     | 12.0     | 25.0 | 0.8 | C312G684-A0****++ |
| 0.75                                     | 19.0     | 14.5     | 9.5      | 15.0 | 0.8 | C312A754-60****++ | 0.75                   | 24.0     | 18.0     | 11.0     | 20.0 | 0.8 | C312E754-80****++ | 0.75                   | 29.0     | 21.0     | 12.5     | 25.0 | 0.8 | C312G754-A0****++ |
| 0.82                                     | 19.0     | 15.0     | 9.5      | 15.0 | 0.8 | C312A824-60****++ | 0.82                   | 24.0     | 18.5     | 11.5     | 20.0 | 0.8 | C312E824-80****++ | 0.82                   | 34.0     | 20.5     |          |      |     |                   |



2. “\*\*\*\*”表示引线加工和包装代码（见表1）。  
3. “#”当额定电压为160Vdc时，第4~5位是2C。

## ■ 外形尺寸 (mm)

### I 型 (高可靠性)

| 630Vdc(220Vac) <sup>@</sup> |          |          |          |      |     |                   | 630Vdc(220Vac) <sup>@</sup> |          |          |          |      |     |                   | 1 000Vdc(400Vac)       |          |          |          |      |     |                   |
|-----------------------------|----------|----------|----------|------|-----|-------------------|-----------------------------|----------|----------|----------|------|-----|-------------------|------------------------|----------|----------|----------|------|-----|-------------------|
| C <sub>N</sub><br>(μF)      | W<br>max | H<br>max | T<br>max | P    | d   | Part number       | C <sub>N</sub><br>(μF)      | W<br>max | H<br>max | T<br>max | P    | d   | Part number       | C <sub>N</sub><br>(μF) | W<br>max | H<br>max | T<br>max | P    | d   | Part number       |
| 0.0010                      | 10.0     | 9.0      | 5.5      | 7.5  | 0.6 | C312J102-30****++ | 0.024                       | 19.0     | 12.0     | 6.5      | 15.0 | 0.6 | C312J243-60****++ | 0.0010                 | 10.0     | 9.0      | 5.5      | 7.5  | 0.6 | C313A102-30****++ |
| 0.0011                      | 10.0     | 9.0      | 5.5      | 7.5  | 0.6 | C312J112-30****++ | 0.027                       | 19.0     | 12.0     | 7.0      | 15.0 | 0.6 | C312J273-60****++ | 0.0011                 | 10.0     | 9.0      | 5.5      | 7.5  | 0.6 | C313A112-30****++ |
| 0.0012                      | 10.0     | 9.0      | 5.0      | 7.5  | 0.6 | C312J122-30****++ | 0.030                       | 19.0     | 12.5     | 7.0      | 15.0 | 0.6 | C312J303-60****++ | 0.0012                 | 10.0     | 9.0      | 5.0      | 7.5  | 0.6 | C313A122-30****++ |
| 0.0013                      | 10.0     | 9.0      | 5.0      | 7.5  | 0.6 | C312J132-30****++ | 0.033                       | 19.0     | 12.5     | 7.5      | 15.0 | 0.6 | C312J333-60****++ | 0.0013                 | 10.0     | 9.0      | 5.0      | 7.5  | 0.6 | C313A132-30****++ |
| 0.0015                      | 10.0     | 9.0      | 5.0      | 7.5  | 0.6 | C312J152-30****++ | 0.036                       | 19.0     | 13.0     | 8.0      | 15.0 | 0.6 | C312J363-60****++ | 0.0015                 | 10.0     | 9.0      | 5.0      | 7.5  | 0.6 | C313A152-30****++ |
| 0.0016                      | 10.0     | 9.0      | 5.5      | 7.5  | 0.6 | C312J162-30****++ | 0.039                       | 19.0     | 13.0     | 8.0      | 15.0 | 0.6 | C312J393-60****++ | 0.0016                 | 10.0     | 9.0      | 5.5      | 7.5  | 0.6 | C313A162-30****++ |
| 0.0018                      | 10.0     | 9.0      | 5.5      | 7.5  | 0.6 | C312J182-30****++ | 0.043                       | 19.0     | 13.5     | 8.0      | 15.0 | 0.6 | C312J433-60****++ | 0.0018                 | 10.0     | 9.0      | 5.5      | 7.5  | 0.6 | C313A182-30****++ |
| 0.0020                      | 10.0     | 9.0      | 5.5      | 7.5  | 0.6 | C312J202-30****++ | 0.047                       | 19.0     | 13.5     | 8.5      | 15.0 | 0.6 | C312J473-60****++ | 0.0020                 | 10.0     | 9.0      | 5.5      | 7.5  | 0.6 | C313A202-30****++ |
| 0.0022                      | 10.0     | 9.0      | 6.0      | 7.5  | 0.6 | C312J222-30****++ | 0.051                       | 19.0     | 14.0     | 9.0      | 15.0 | 0.8 | C312J513-60****++ | 0.0022                 | 10.0     | 9.0      | 6.0      | 7.5  | 0.6 | C313A222-30****++ |
| 0.0024                      | 10.0     | 9.0      | 5.0      | 7.5  | 0.6 | C312J242-30****++ | 0.056                       | 19.0     | 15.0     | 8.5      | 15.0 | 0.8 | C312J563-60****++ | 0.0024                 | 10.0     | 10.0     | 6.0      | 7.5  | 0.6 | C313A242-30****++ |
| 0.0027                      | 10.0     | 9.0      | 5.0      | 7.5  | 0.6 | C312J272-30****++ | 0.062                       | 19.0     | 15.5     | 9.0      | 15.0 | 0.8 | C312J623-60****++ | 0.0027                 | 10.0     | 10.0     | 6.0      | 7.5  | 0.6 | C313A272-30****++ |
| 0.0030                      | 10.0     | 9.0      | 5.0      | 7.5  | 0.6 | C312J302-30****++ | 0.068                       | 24.0     | 14.5     | 8.0      | 20.0 | 0.8 | C312J683-80****++ | 0.0030                 | 10.0     | 10.0     | 6.5      | 7.5  | 0.6 | C313A302-30****++ |
| 0.0033                      | 10.0     | 9.0      | 5.5      | 7.5  | 0.6 | C312J332-30****++ | 0.075                       | 24.0     | 15.0     | 8.0      | 20.0 | 0.8 | C312J753-80****++ | 0.0033                 | 10.0     | 10.0     | 6.5      | 7.5  | 0.6 | C313A332-30****++ |
| 0.0036                      | 10.0     | 9.0      | 5.5      | 7.5  | 0.6 | C312J362-30****++ | 0.082                       | 24.0     | 15.0     | 8.5      | 20.0 | 0.8 | C312J823-80****++ | 0.0036                 | 10.0     | 10.5     | 7.0      | 7.5  | 0.6 | C313A362-30****++ |
| 0.0039                      | 10.0     | 9.0      | 5.5      | 7.5  | 0.6 | C312J392-30****++ | 0.091                       | 24.0     | 15.5     | 8.5      | 20.0 | 0.8 | C312J913-80****++ | 0.0039                 | 10.0     | 10.5     | 7.0      | 7.5  | 0.6 | C313A392-30****++ |
| 0.0043                      | 10.0     | 9.5      | 6.0      | 7.5  | 0.6 | C312J432-30****++ | 0.10                        | 24.0     | 16.0     | 9.0      | 20.0 | 0.8 | C312J104-80****++ | 0.0043                 | 10.0     | 10.5     | 7.0      | 7.5  | 0.6 | C313A432-30****++ |
| 0.0047                      | 10.0     | 9.5      | 6.0      | 7.5  | 0.6 | C312J472-30****++ | 0.11                        | 24.0     | 16.0     | 9.5      | 20.0 | 0.8 | C312J114-80****++ | 0.0047                 | 10.0     | 11.0     | 7.5      | 7.5  | 0.6 | C313A472-30****++ |
| 0.0051                      | 10.0     | 9.5      | 6.5      | 7.5  | 0.6 | C312J512-30****++ | 0.12                        | 24.0     | 16.5     | 10.0     | 20.0 | 0.8 | C312J124-80****++ | 0.0051                 | 10.0     | 11.0     | 7.5      | 7.5  | 0.6 | C313A512-30****++ |
| 0.0056                      | 10.0     | 10.0     | 6.5      | 7.5  | 0.6 | C312J562-30****++ | 0.13                        | 24.0     | 17.0     | 10.0     | 20.0 | 0.8 | C312J134-80****++ | 0.0056                 | 10.0     | 11.5     | 8.0      | 7.5  | 0.6 | C313A562-30****++ |
| 0.0062                      | 10.0     | 10.0     | 6.5      | 7.5  | 0.6 | C312J622-30****++ | 0.15                        | 24.0     | 17.5     | 10.5     | 20.0 | 0.8 | C312J154-80****++ | 0.0062                 | 10.0     | 11.5     | 8.5      | 7.5  | 0.6 | C313A622-30****++ |
| 0.0068                      | 12.5     | 9.0      | 5.5      | 10.0 | 0.6 | C312J682-40****++ | 0.16                        | 24.0     | 18.0     | 11.0     | 20.0 | 0.8 | C312J164-80****++ | 0.0068                 | 12.5     | 10.5     | 7.0      | 10.0 | 0.6 | C313A682-40****++ |
| 0.0075                      | 12.5     | 9.0      | 6.0      | 10.0 | 0.6 | C312J752-40****++ | 0.18                        | 24.0     | 19.5     | 11.0     | 20.0 | 0.8 | C312J184-80****++ | 0.0075                 | 12.5     | 10.5     | 7.0      | 10.0 | 0.6 | C313A752-40****++ |
| 0.0082                      | 12.5     | 9.0      | 6.0      | 10.0 | 0.6 | C312J822-40****++ | 0.20                        | 29.0     | 19.0     | 10.0     | 25.0 | 0.8 | C312J204-A0****++ | 0.0082                 | 12.5     | 10.5     | 7.0      | 10.0 | 0.6 | C313A822-40****++ |
| 0.0091                      | 12.5     | 9.5      | 6.0      | 10.0 | 0.6 | C312J912-40****++ | 0.22                        | 29.0     | 19.5     | 10.0     | 25.0 | 0.8 | C312J224-A0****++ | 0.0091                 | 12.5     | 11.0     | 7.5      | 10.0 | 0.6 | C313A912-40****++ |
| 0.010                       | 13.0     | 11.0     | 6.0      | 10.0 | 0.6 | C312J103-40****++ | 0.24                        | 29.0     | 20.0     | 10.5     | 25.0 | 0.8 | C312J244-A0****++ |                        |          |          |          |      |     |                   |
| 0.011                       | 13.0     | 11.5     | 6.5      | 10.0 | 0.6 | C312J113-40****++ | 0.27                        | 29.0     | 20.5     | 11.5     | 25.0 | 0.8 | C312J274-A0****++ |                        |          |          |          |      |     |                   |
| 0.012                       | 13.0     | 11.5     | 6.5      | 10.0 | 0.6 | C312J123-40****++ | 0.30                        | 29.0     | 21.5     | 11.5     | 25.0 | 0.8 | C312J304-A0****++ |                        |          |          |          |      |     |                   |
| 0.013                       | 13.0     | 11.5     | 7.0      | 10.0 | 0.6 | C312J133-40****++ | 0.33                        | 29.0     | 22.0     | 12.0     | 25.0 | 0.8 | C312J334-A0****++ |                        |          |          |          |      |     |                   |
| 0.015                       | 13.0     | 12.0     | 7.0      | 10.0 | 0.6 | C312J153-40****++ | 0.36                        | 29.0     | 22.5     | 12.5     | 25.0 | 0.8 | C312J364-A0****++ |                        |          |          |          |      |     |                   |
| 0.016                       | 13.0     | 12.0     | 7.5      | 10.0 | 0.6 | C312J163-40****++ | 0.39                        | 34.0     | 20.5     | 12.5     | 30.0 | 0.8 | C312J394-C0****++ |                        |          |          |          |      |     |                   |
| 0.018                       | 13.0     | 13.0     | 7.5      | 10.0 | 0.6 | C312J183-40****++ | 0.43                        | 34.0     | 21.5     | 13.0     | 30.0 | 0.8 | C312J434-C0****++ |                        |          |          |          |      |     |                   |
| 0.020                       | 13.0     | 13.5     | 8.0      | 10.0 | 0.6 | C312J203-40****++ | 0.47                        | 34.0     | 22.0     | 13.5     | 30.0 | 0.8 | C312J474-C0****++ |                        |          |          |          |      |     |                   |
| 0.022                       | 13.0     | 13.5     | 8.0      | 10.0 | 0.6 | C312J223-40****++ | 0.51                        | 34.0     | 22.5     | 14.0     | 30.0 | 0.8 | C312J514-C0****++ |                        |          |          |          |      |     |                   |
|                             |          |          |          |      |     |                   | 0.56                        | 34.0     | 23.0     | 14.5     | 30.0 | 0.8 | C312J564-C0****++ |                        |          |          |          |      |     |                   |

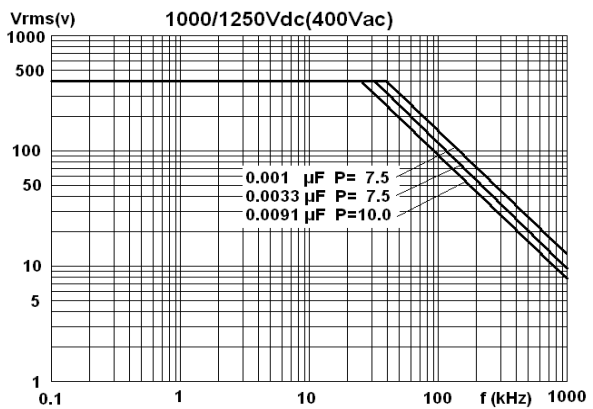
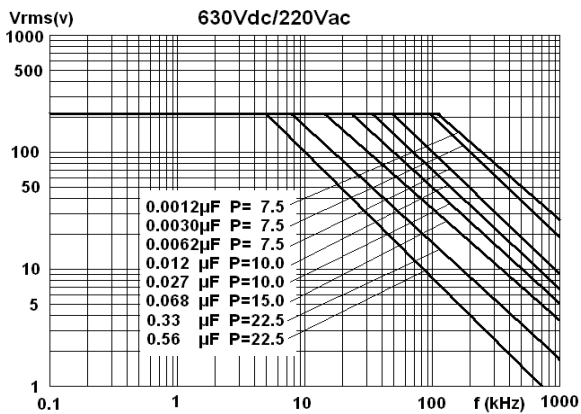
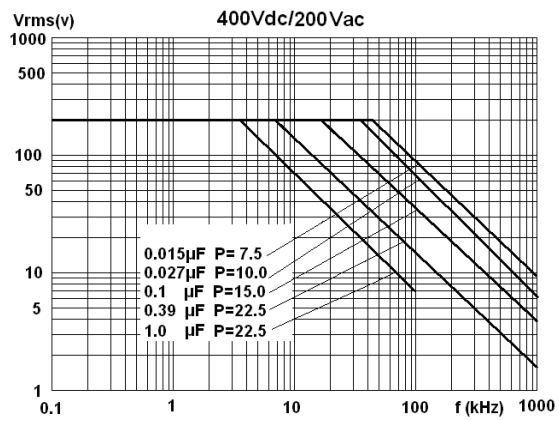
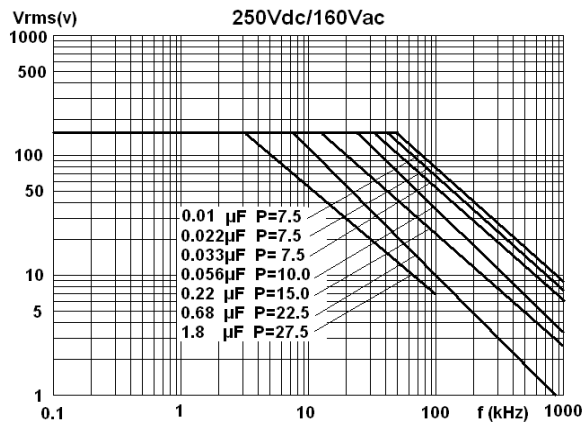
备注：1. “-”表示容量偏差，M=±20%,K=±10%,J=±5%。

2. “\*\*\*\*”表示引线加工和包装代码（见表1）。

3. “@”不用作跨线，请参见抗干扰电容器。



## ■ 最大电压(Vr.m.s)/频率表



备注：正弦波，环境温度 $\leq 85^{\circ}\text{C}$ ，产品内部温升 $\Delta T=10^{\circ}\text{C}$ ，脚距单位为 mm。

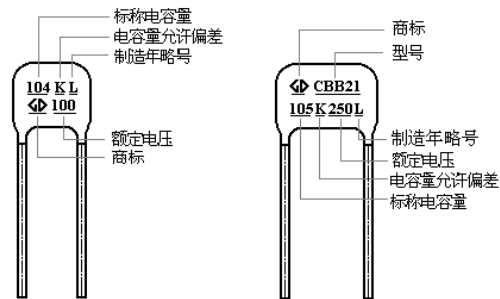
## ■ 测试方法及性能

| 序号 | 项目     |      | 性能                                                                                                                                                                                                                   | 测试方法 (IEC 60384-17)                                                                                                                                                                             |
|----|--------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | 可焊性    |      | 镀锡良好                                                                                                                                                                                                                 | 焊槽法 Ta, 方法 1<br>焊料温度: 245℃±5℃<br>浸渍时间: 2.0s±0.5s                                                                                                                                                |
| 2  | 初始测量   |      | 电容量<br>损耗角正切:1kHz, $C>1.0\mu\text{F}$<br>10kHz, $C\leq 1.0\mu\text{F}$                                                                                                                                               |                                                                                                                                                                                                 |
|    | 引出端强度  |      | 外观无可见损伤                                                                                                                                                                                                              | 拉力试验 Ual:<br>拉力: $0.6\leq\phi d\leq 0.8\text{mm}$ , 10N<br>$\phi d=1.0\text{mm}$ , 20N<br>弯曲试验 Ub:<br>弯力: $0.6\leq\phi d\leq 0.8\text{mm}$ , 5N<br>$\phi d=1.0\text{mm}$ , 10N<br>每个方向上连续进行二次弯曲 |
|    | 耐焊接热   |      | 外观无可见损伤, 标志清晰                                                                                                                                                                                                        | 焊槽法 Tb, 方法 1A<br>260℃±5℃, 10s±1s                                                                                                                                                                |
|    | 最后测量   |      | 电容量: $\Delta C/C\leq$ 初始测量值的±3%<br>损耗角正切:<br>$\text{tg}\delta$ 的增加 $\leq 0.004(10\text{kHz}, C\leq 1.0\mu\text{F})$<br>$\text{tg}\delta$ 的增加 $\leq 0.004(1\text{kHz}, C>1.0\mu\text{F})$                             |                                                                                                                                                                                                 |
| 3  | 初始测量   |      | 电容量<br>损耗角正切:1kHz, $C>1.0\mu\text{F}$<br>10kHz, $C\leq 1.0\mu\text{F}$                                                                                                                                               |                                                                                                                                                                                                 |
|    | 温度快速变化 |      | 外观无可见损伤                                                                                                                                                                                                              | $\theta_A=-40^\circ\text{C}$ , $\theta_B=+85^\circ\text{C}$<br>5 次循环, 持续时间: $t=30\text{min}$                                                                                                    |
|    | 振动     |      | 外观无可见损伤                                                                                                                                                                                                              | 振幅 0.75mm 或加速度 $98\text{m/s}^2$ (取严酷度较小者), 频率 10Hz~500Hz 三个方向, 每个方向 2h, 共 6h                                                                                                                    |
|    | 碰撞     |      | 外观无可见损伤                                                                                                                                                                                                              | 4000 次, 加速度 $390\text{m/s}^2$ , 脉冲持续时间: 6ms                                                                                                                                                     |
|    | 最后测量   |      | 电容量: $\Delta C/C\leq$ 初始测量值的±3%<br>损耗角正切:<br>$\text{tg}\delta$ 的增加 $\leq 0.004(C\leq 1.0\mu\text{F}, 10\text{kHz})$<br>$\text{tg}\delta$ 的增加 $\leq 0.004(C>1.0\mu\text{F}, 1\text{kHz})$<br>绝缘电阻 IR: $\geq$ 额定值的 50% |                                                                                                                                                                                                 |
| 4  | 气候顺序   | 初始测量 | 电容量<br>损耗角正切:1kHz, $C>1.0\mu\text{F}$<br>10kHz, $C\leq 1.0\mu\text{F}$                                                                                                                                               |                                                                                                                                                                                                 |
|    |        | 干热   |                                                                                                                                                                                                                      | +85℃, 16h                                                                                                                                                                                       |
|    |        | 循环湿热 |                                                                                                                                                                                                                      | 试验 Db, 严酷度 b, 第一次循环<br>Test Db, Severity: b, the first cycle                                                                                                                                    |
|    |        | 寒冷   |                                                                                                                                                                                                                      | -40℃, 2h                                                                                                                                                                                        |
|    |        | 低气压  | 在试验的最后 1min, 施加 $U_R$ 无永久性击穿, 飞弧或外壳的有害变形;                                                                                                                                                                            | 15℃~35℃, 8.5kPa, 1h                                                                                                                                                                             |

|    |          | 循环湿热 |                                                                                                                                                                                                                | 试验 Db, 严酷度 b, 其余循环, 在试验结束后, 在试验结束后, 施加 $U_R$ 1 分钟                                                                                                               |
|----|----------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 序号 | 项目       |      | 性能                                                                                                                                                                                                             | 测试方法 (IEC 60384-17)                                                                                                                                             |
| 4  | 气候顺序 (续) | 最后测量 | 外观无可见损伤, 标志清晰, 电容量变化: $\Delta C/C \leq$ 初始测量值的 $\pm 5\%$ , 损耗(1kHz):<br>tg $\delta$ 的增加 $\leq 0.005 (C \leq 1.0\mu F, 10kHz)$<br>tg $\delta$ 的增加 $\leq 0.005 (C > 1.0\mu F, 1kHz)$<br>绝缘电阻 IR: $\geq$ 额定值的 50% |                                                                                                                                                                 |
| 5  | 稳态湿热     |      | 外观无可见损伤, 标志清晰<br>电容量变化: $\Delta C/C \leq$ 初始测量值的 $\pm 5\%$<br>损耗角正切(1kHz): tg $\delta$ 的增加 $\leq 0.002$<br>绝缘电阻 IR: $\geq$ 额定值的 50%                                                                            | 温度: $40^\circ C \pm 2^\circ C$<br>湿度: $93 \pm 2\% RH$<br>持续时间: 21 天                                                                                             |
| 6  | 耐久性      |      | 电容量变化: $\Delta C/C \leq$ 初始测量值的 $\pm 5\%$<br>损耗角正切(1kHz):<br>tg $\delta$ 的增加 $\leq 0.004 (C \leq 1.0\mu F, 10kHz)$ ,<br>tg $\delta$ 的增加 $\leq 0.004 (C > 1.0\mu F, 1kHz)$<br>绝缘电阻 IR: $\geq$ 额定值的 50%          | 温度: $+85^\circ C$<br>施加电压: $1.25 \times U_R (50Hz)$<br>时间: 1 000h                                                                                               |
| 7  | 随温度而定的特性 |      | 在 b, d, f 点上进行电容量测量: 在下限类别温度 $-40^\circ C$ 时的特性:<br>$0 \leq (C_b - C_d)/C_d \leq +3\%$<br>在上限类别温度 $85^\circ C$ 时的特性:<br>$-3.25\% \leq (C_f - C_d)/C_d \leq 0$                                                  | 静态法, 电容器依次保持在下述每个温度: a. $(20 \pm 2)^\circ C$ , b. $(-40 \pm 3)^\circ C$ , d. $(20 \pm 2)^\circ C$ , f. $(85 \pm 2)^\circ C$ , g. $(20 \pm 2)^\circ C$           |
| 8  | 充电和放电    |      | 电容量: $\Delta C/C \leq$ 初始测量值的 $\pm 5\%$<br>损耗角正切:<br>tg $\delta$ 的增加 $\leq 0.005 (C \leq 1.0\mu F, 10kHz)$<br>tg $\delta$ 的增加 $\leq 0.005 (C > 1.0\mu F, 1kHz)$<br>绝缘电阻 IR: $\geq$ 额定值的 50%                    | 次数: 10 000 次<br>充电持续时间: 0.5s<br>放电持续时间: 0.5s<br>充电电压为额定电压<br>充电电阻: $220/C_R (\Omega)$<br>放电电阻: $10/C_R (\Omega)$ 或 $20\Omega$ (取较大者)<br>$C_R$ 为标称电容量( $\mu F$ ) |

## ■ 品质保证 (产品出厂检查) 试验

| 检 查 项 目 (每批) | 检 查 水 平 (GB 2828) |       |
|--------------|-------------------|-------|
|              | IL                | AQL   |
| 外观检查         | S-4               | 1.5%  |
| 外形尺寸         |                   |       |
| 电容量          | II                | 0.65% |
| 损耗角正切        |                   |       |
| 耐电压          |                   |       |
| 绝缘电阻         |                   |       |
| 可焊性          | S-3               | 2.5%  |



## ■ 印章

外形尺寸较小时( $P \leq 10.0\text{mm}$ )

外形尺寸较大时( $P > 10.0\text{mm}$ )

## ■ 浸渍型电容器径向编带说明

### ▲ 外形图

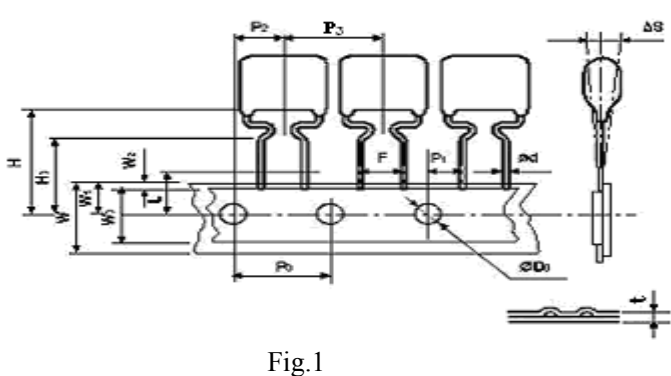


Fig.1

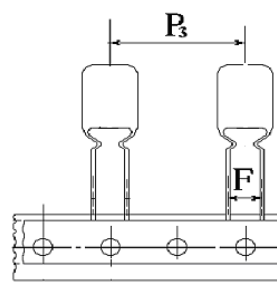


Fig 2

### ▲ 编带尺寸表 (mm)

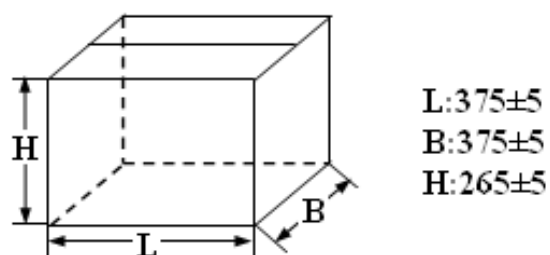
| 技术指标名称                    | 代号            | 尺寸(mm) |       |        |        |                   |
|---------------------------|---------------|--------|-------|--------|--------|-------------------|
|                           |               | P=5.0  | P=7.5 | P=10.0 | P=15.0 | 误差                |
| 编带类型                      | —             | Fig 1  | Fig 1 | Fig 2  | Fig 2  | —                 |
| Part number<br>Digit12-15 | Ammo-pack     | A21A   | A31A  | A41E   | A61E   |                   |
| 电容器间距                     | $P_3$         | 12.7   | 12.7  | 25.4   | 25.4   | $\pm 1.0$         |
| 送带孔距                      | $P_0$         | 12.7   | 12.7  | 12.7   | 12.7   | $\pm 0.3$         |
| 引出线位置                     | $P_1$         | 3.85   | 2.60  | 7.7    | 5.2    | $\pm 0.7$         |
| 电容器本体位置                   | $P_2$         | 6.35   | 6.35  | 12.7   | 12.7   | $\pm 1.3$         |
| 成型间距                      | $F^{**}$      | 5.0    | 7.5   | 10.0   | 15.0   | $+0.8$<br>$-0.2$  |
| 电容器侧面倾斜                   | $\triangle S$ | 0      | 0     | 0      | 0      | $\pm 2.0$         |
| 电容器高度                     | H             | 20.0   | 20.0  | 20.0   | 20.0   | $\pm 1.0$         |
| 弯脚高度                      | $H_0$         | 16.0   | 16.0  | 16.0   | 16.0   | $\pm 0.5$         |
| 纸带宽度                      | W             | 18.0   | 18.0  | 18.0   | 18.0   | $+1.0$<br>$-0.5$  |
| 胶带纸宽度                     | $W_0$         | 10min  | 10min | 10min  | 10min  | —                 |
| 送带孔位置                     | $W_1$         | 9.0    | 9.0   | 9.0    | 9.0    | $+0.75$<br>$-0.5$ |
| 胶带纸位置                     | $W_2$         | 3max   | 3max  | 3max   | 3max   | —                 |
| 送带孔直径                     | $D_0$         | 4.0    | 4.0   | 4.0    | 4.0    | $\pm 0.3$         |
| 编带总厚度                     | t             | 0.7    | 0.7   | 0.7    | 0.7    | $\pm 0.2$         |

**Note:** \* $P_0=15\text{mm}$  是可行的;

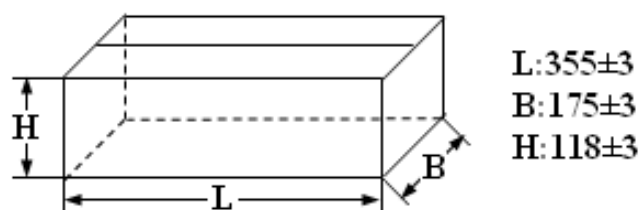
\*\* F 可以是其他间距的;

## ■ 包装箱尺寸(mm)

### 1. 散装外包装箱尺寸



### 2. 散装内包装箱尺寸



### 3. 径向编带包装箱尺寸

