

RoHS  
Compliant



# 规格承认书

File No.: Q/FRK 0.GS.C.C37-F09

|        |            |
|--------|------------|
| 产品名称   | 金属化聚丙烯膜电容器 |
| 产品型号代码 | C37        |
| 产品编码   |            |
| 客户名称   |            |
| 客户编码   |            |
| 日期     | 2015-07    |



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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 |
|----|---|-----|------------|--------|
| 1  | 最大可允许电流 (I <sub>r.m.s</sub> ) ---频率特性曲线 | 张幼珊 | 2015.07.15 | F09    |
|    |   |     |            |        |
|    |   |     |            |        |

## 金属化聚丙烯膜电容器

### ■ 外形图

|  | 引出线成型形状   |                                    |                                    |                                    |
|--|---|------------------------------------|------------------------------------|------------------------------------|
|  | I   | II                                 | III                                | IV                                 |
|  |   |                                    |                                    |                                    |
|  | $P \geq F$  |                                    | $P < F$                            |                                    |
|  | $0\text{mm} \leq P-F \leq 3\text{mm}$                               | $3\text{mm} < P-F \leq 8\text{mm}$ | $3\text{mm} < F-P \leq 5\text{mm}$ | $0\text{mm} < F-P \leq 3\text{mm}$ |
|  | $F \pm 0.8\text{mm}; A \leq 5.0\text{mm}; B = 4.5 \pm 0.5\text{mm}$ |                                    |                                    |                                    |

### ■ 特点

- 金属化聚丙烯结构
- 良好的电性能
- 阻燃环氧粉末包封 (UL94 V-0)

### ■ 主要用途

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

### ■ 技术要求

|  |   |                                    |        |        |        |             |        |        |        |
|--|---|------------------------------------|--------|--------|--------|-------------|--------|--------|--------|
| 引用标准   | GB 10190(IEC 60384-16)  |                                    |        |        |        |             |        |        |        |
| 气候类别   | 40/105/56   |                                    |        |        |        |             |        |        |        |
| 额定温度   | 85°C  |                                    |        |        |        |             |        |        |        |
| 工作温度范围   | -40°C~105°C<br>(+85°C 到 +105°C: 直流电压降额系数为 1.25%/°C)                                       |                                    |        |        |        |             |        |        |        |
| 额定电压   | 450Vdc; 520Vdc; 630Vdc;   |                                    |        |        |        |             |        |        |        |
| 电容量范围  | 0.027μF~18.0μF  |                                    |        |        |        |             |        |        |        |
| 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> (20°C, 1kHz)   |                                    |        |        |        |             |        |        |        |
| 绝缘电阻   | ≥100 000MΩ, C <sub>N</sub> ≤0.33μF<br>≥30 000s, C <sub>N</sub> >0.33μF (20°C, 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><br>低, 电容器可工作在更高的 dV/dt<br>场合。这样 dV/dt 允许值应为右表<br>值乘以 U <sub>R</sub> /U。 | U <sub>R</sub> (V)  | dV/dt(V/us)<br>——Miniature version |        |        |        | dV/dt(V/us) |        |        |        |
|  |   | P=10.0                             | P=15.0 | P=22.5 | P=27.5 | P=10.0      | P=15.0 | P=22.5 | P=27.5 |
|  | 450   | 100                                | 65     | 35     | 20     | 300         | 200    | 100    | 80     |
|  | 520   | 120                                | 80     | 60     | 40     | 350         | 220    | 150    | 100    |
| 630  | 200   | 160                                | 70     | 50     | 400    | 300         | 180    | 120    |        |

## ■ 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 | 7 |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |

第 1~3 位 型号代码

C37

第 4~5 位 直流额定电压

2S=450V 2T=520V 2J=630V

第 6~8 位 标称容量

举例：103=10×10<sup>3</sup>pf=0.01uF

第 9 位 容量等级

J=±5%, K=±10%, M=±20%

第 10 位 引线脚距 P

4=10mm 6=15mm 9=22.5mm B=27.5mm

第 11 位 内部特征码

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 | 2      | F=5.0mm  | 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<br>(P=7.5mm) |
|        |      | 3      | F=7.5mm  |        |         | E      | P3=25.4mm;H=20.0mm (P=10.0/15.0mm)               |
| F      | 引线成型 | 4      | F=10.0mm | 0      | B=4.5mm | 0      | B 的长度偏差±0.5mm                                    |
|        |      | 6      | F=15.0mm |        |         |        |  |
|        |      | 2      | F=5.0mm  |        |         |        |  |
|        |      | 3      | F=7.5mm  |        |         |        |  |
| Y      | 直脚   | 4      | F=10.0mm | 0      |         | 0      | 引线长度偏差±0.5mm 或标准长度                               |
|        |      | 5      | F=15.0mm |        |         |        |  |

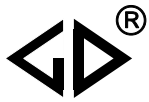
第 12-15 为代码为“C000”表示标准的引线长度(20mm ~ 30mm)



■外形尺寸 (mm) ---小型化 (小尺寸+安全膜设计)

| 450Vdc                 |          |          |          |      |     |                   | 520Vdc                 |          |          |          |      |     |                   | 630Vdc                 |          |          |          |      |     |                   |
|------------------------|----------|----------|----------|------|-----|-------------------|------------------------|----------|----------|----------|------|-----|-------------------|------------------------|----------|----------|----------|------|-----|-------------------|
| 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       |
| 0.10                   | 12.5     | 7.7      | 4.0      | 10.0 | 0.6 | C372S104-4S****++ | 0.068                  | 12.5     | 7.7      | 4.0      | 10.0 | 0.6 | C372T683-4S****++ | 0.056                  | 12.5     | 7.9      | 4.1      | 10.0 | 0.6 | C372J563-4S****++ |
| 0.12                   | 12.5     | 7.9      | 4.3      | 10.0 | 0.6 | C372S124-4S****++ | 0.082                  | 12.5     | 7.9      | 4.2      | 10.0 | 0.6 | C372T823-4S****++ | 0.068                  | 12.5     | 8.8      | 4.4      | 10.0 | 0.6 | C372J683-4S****++ |
| 0.15                   | 12.5     | 8.8      | 4.6      | 10.0 | 0.6 | C372S154-4S****++ | 0.10                   | 12.5     | 8.8      | 4.5      | 10.0 | 0.6 | C372T104-4S****++ | 0.082                  | 12.5     | 8.8      | 4.7      | 10.0 | 0.6 | C372J823-4S****++ |
| 0.18                   | 12.5     | 9.1      | 4.7      | 10.0 | 0.6 | C372S184-4S****++ | 0.12                   | 12.5     | 8.8      | 4.8      | 10.0 | 0.6 | C372T124-4S****++ | 0.10                   | 12.5     | 8.8      | 5.0      | 10.0 | 0.6 | C372J104-4S****++ |
| 0.22                   | 12.5     | 9.5      | 5.0      | 10.0 | 0.6 | C372S224-4S****++ | 0.15                   | 12.5     | 9.5      | 4.9      | 10.0 | 0.6 | C372T154-4S****++ | 0.12                   | 12.5     | 9.5      | 5.4      | 10.0 | 0.6 | C372J124-4S****++ |
| 0.27                   | 12.5     | 10.4     | 5.7      | 10.0 | 0.6 | C372S274-4S****++ | 0.18                   | 12.5     | 10.4     | 5.3      | 10.0 | 0.6 | C372T184-4S****++ | 0.15                   | 12.5     | 10.4     | 5.6      | 10.0 | 0.6 | C372J154-4S****++ |
| 0.33                   | 12.5     | 10.9     | 6.2      | 10.0 | 0.6 | C372S334-4S****++ | 0.22                   | 12.5     | 10.4     | 5.7      | 10.0 | 0.6 | C372T224-4S****++ | 0.18                   | 12.5     | 10.4     | 6.0      | 10.0 | 0.6 | C372J184-4S****++ |
| 0.39                   | 12.5     | 11.4     | 6.6      | 10.0 | 0.6 | C372S394-4S****++ | 0.27                   | 12.5     | 10.9     | 6.5      | 10.0 | 0.6 | C372T274-4S****++ | 0.22                   | 12.5     | 11.4     | 6.5      | 10.0 | 0.6 | C372J224-4S****++ |
| 0.47                   | 12.5     | 11.8     | 7.1      | 10.0 | 0.6 | C372S474-4S****++ | 0.33                   | 12.5     | 11.4     | 7.1      | 10.0 | 0.6 | C372T334-4S****++ | 0.27                   | 12.5     | 11.9     | 7.4      | 10.0 | 0.6 | C372J274-4S****++ |
| 0.27                   | 17.8     | 9.4      | 4.8      | 15.0 | 0.6 | C372S274-6S****++ | 0.18                   | 17.8     | 9.3      | 4.7      | 15.0 | 0.6 | C372T184-6S****++ | 0.15                   | 17.8     | 9.5      | 4.9      | 15.0 | 0.6 | C372J154-6S****++ |
| 0.33                   | 17.8     | 9.8      | 5.1      | 15.0 | 0.6 | C372S334-6S****++ | 0.22                   | 17.8     | 9.6      | 5.0      | 15.0 | 0.6 | C372T224-6S****++ | 0.18                   | 17.8     | 10.3     | 5.2      | 15.0 | 0.6 | C372J184-6S****++ |
| 0.39                   | 17.8     | 10.6     | 5.9      | 15.0 | 0.6 | C372S394-6S****++ | 0.27                   | 17.8     | 10.0     | 5.4      | 15.0 | 0.6 | C372T274-6S****++ | 0.22                   | 17.8     | 10.8     | 5.3      | 15.0 | 0.6 | C372J224-6S****++ |
| 0.47                   | 17.8     | 11.5     | 6.0      | 15.0 | 0.6 | C372S474-6S****++ | 0.33                   | 17.8     | 11.0     | 5.5      | 15.0 | 0.6 | C372T334-6S****++ | 0.27                   | 17.8     | 11.2     | 5.8      | 15.0 | 0.6 | C372J274-6S****++ |
| 0.56                   | 17.8     | 11.9     | 6.4      | 15.0 | 0.6 | C372S564-6S****++ | 0.39                   | 17.8     | 11.8     | 6.4      | 15.0 | 0.6 | C372T394-6S****++ | 0.33                   | 17.8     | 12.8     | 5.8      | 15.0 | 0.6 | C372J334-6S****++ |
| 0.68                   | 17.8     | 13.4     | 6.4      | 15.0 | 0.6 | C372S684-6S****++ | 0.47                   | 17.8     | 12.3     | 6.9      | 15.0 | 0.6 | C372T474-6S****++ | 0.39                   | 17.8     | 13.7     | 6.7      | 15.0 | 0.6 | C372J394-6S****++ |
| 0.82                   | 17.8     | 13.9     | 7.0      | 15.0 | 0.6 | C372S824-6S****++ | 0.56                   | 17.8     | 12.8     | 7.3      | 15.0 | 0.6 | C372T564-6S****++ | 0.47                   | 17.8     | 14.2     | 7.2      | 15.0 | 0.6 | C372J474-6S****++ |
| 1.0                    | 17.8     | 14.5     | 7.5      | 15.0 | 0.6 | C372S105-6S****++ | 0.68                   | 17.8     | 14.4     | 7.4      | 15.0 | 0.6 | C372T684-6S****++ | 0.56                   | 17.8     | 14.7     | 7.8      | 15.0 | 0.6 | C372J564-6S****++ |
| 1.2                    | 17.8     | 15.1     | 8.1      | 15.0 | 0.8 | C372S125-6S****++ | 0.82                   | 17.8     | 14.9     | 8.0      | 15.0 | 0.8 | C372T824-6S****++ | 0.68                   | 17.8     | 15.4     | 8.4      | 15.0 | 0.8 | C372J684-6S****++ |
| 1.5                    | 17.8     | 16.0     | 9.0      | 15.0 | 0.8 | C372S155-6S****++ | 1.0                    | 17.8     | 15.7     | 8.7      | 15.0 | 0.8 | C372T105-6S****++ | 0.82                   | 17.8     | 16.1     | 9.1      | 15.0 | 0.8 | C372J824-6S****++ |
| 1.8                    | 17.8     | 16.7     | 9.7      | 15.0 | 0.8 | C372S185-6S****++ | 1.2                    | 17.8     | 16.4     | 9.4      | 15.0 | 0.8 | C372T125-6S****++ | 1.0                    | 17.8     | 17.0     | 10.0     | 15.0 | 0.8 | C372J105-6S****++ |
| 0.82                   | 25.5     | 11.6     | 6.2      | 22.5 | 0.6 | C372S824-9S****++ | 0.56                   | 25.5     | 11.5     | 6.1      | 22.5 | 0.6 | C372T564-9S****++ | 0.47                   | 25.5     | 11.9     | 6.4      | 22.5 | 0.6 | C372J474-9S****++ |
| 1.0                    | 25.5     | 12.1     | 6.7      | 22.5 | 0.6 | C372S105-9S****++ | 0.68                   | 25.5     | 12.0     | 6.6      | 22.5 | 0.6 | C372T684-9S****++ | 0.56                   | 25.5     | 12.3     | 6.9      | 22.5 | 0.6 | C372J564-9S****++ |
| 1.2                    | 25.5     | 13.7     | 6.7      | 22.5 | 0.6 | C372S125-9S****++ | 0.82                   | 25.5     | 12.5     | 7.1      | 22.5 | 0.6 | C372T824-9S****++ | 0.68                   | 25.5     | 12.8     | 7.4      | 22.5 | 0.6 | C372J684-9S****++ |
| 1.5                    | 25.5     | 14.3     | 7.3      | 22.5 | 0.6 | C372S155-9S****++ | 1.0                    | 25.5     | 14.1     | 7.1      | 22.5 | 0.6 | C372T105-9S****++ | 0.82                   | 25.5     | 13.4     | 8.0      | 22.5 | 0.8 | C372J824-9S****++ |
| 1.8                    | 24.5     | 14.9     | 7.9      | 22.5 | 0.8 | C372S185-9S****++ | 1.2                    | 25.5     | 14.6     | 7.6      | 22.5 | 0.6 | C372T125-9S****++ | 1.0                    | 25.5     | 15.1     | 8.1      | 22.5 | 0.8 | C372J105-9S****++ |
| 2.2                    | 25.5     | 16.6     | 8.1      | 22.5 | 0.8 | C372S225-9S****++ | 1.5                    | 25.5     | 16.4     | 7.9      | 22.5 | 0.8 | C372T155-9S****++ | 1.2                    | 25.5     | 15.7     | 8.7      | 22.5 | 0.8 | C372J125-9S****++ |
| 2.7                    | 25.5     | 17.4     | 8.9      | 22.5 | 0.8 | C372S275-9S****++ | 1.8                    | 25.5     | 17.1     | 8.5      | 22.5 | 0.8 | C372T185-9S****++ | 1.5                    | 25.5     | 17.6     | 9.1      | 22.5 | 0.8 | C372J155-9S****++ |
| 3.3                    | 25.5     | 18.3     | 9.7      | 22.5 | 0.8 | C372S335-9S****++ | 2.2                    | 25.5     | 17.9     | 9.4      | 22.5 | 0.8 | C372T225-9S****++ | 1.8                    | 25.5     | 18.5     | 9.9      | 22.5 | 0.8 | C372J185-9S****++ |
| 3.9                    | 25.5     | 19.1     | 10.5     | 22.5 | 0.8 | C372S395-9S****++ | 2.7                    | 25.5     | 18.9     | 10.3     | 22.5 | 0.8 | C372T275-9S****++ | 2.2                    | 25.5     | 19.5     | 10.9     | 22.5 | 0.8 | C372J225-9S****++ |
| 4.7                    | 25.5     | 20.1     | 11.6     | 22.5 | 0.8 | C372S475-9S****++ | 3.3                    | 25.5     | 19.9     | 11.4     | 22.5 | 0.8 | C372T335-9S****++ | 2.7                    | 25.5     | 20.6     | 12.1     | 22.5 | 0.8 | C372J275-9S****++ |
| 5.6                    | 25.5     | 21.2     | 12.6     | 22.5 | 0.8 | C372S565-9S****++ | 3.9                    | 25.5     | 20.9     | 12.4     | 22.5 | 0.8 | C372T395-9S****++ | 3.3                    | 25.5     | 22.8     | 12.7     | 22.5 | 0.8 | C372J335-9S****++ |
| 1.8                    | 30.7     | 15.3     | 6.7      | 27.5 | 0.6 | C372S185-BS****++ | 1.2                    | 30.7     | 15.1     | 6.5      | 27.5 | 0.6 | C372T125-BS****++ | 1.0                    | 30.7     | 15.4     | 6.9      | 27.5 | 0.6 | C372J105-BS****++ |
| 2.2                    | 30.7     | 15.9     | 7.3      | 27.5 | 0.6 | C372S225-BS****++ | 1.5                    | 30.7     | 15.7     | 7.1      | 27.5 | 0.6 | C372T155-BS****++ | 1.2                    | 30.7     | 16.0     | 7.4      | 27.5 | 0.6 | C372J125-BS****++ |
| 2.7                    | 30.7     | 16.5     | 8.0      | 27.5 | 0.8 | C372S275-BS****++ | 1.8                    | 30.7     | 17.4     | 7.3      | 27.5 | 0.6 | C372T185-BS****++ | 1.5                    | 30.7     | 16.8     | 8.2      | 27.5 | 0.8 | C372J155-BS****++ |
| 3.3                    | 30.7     | 17.3     | 8.8      | 27.5 | 0.8 | C372S335-BS****++ | 2.2                    | 30.7     | 18.1     | 8.0      | 27.5 | 0.8 | C372T225-BS****++ | 1.8                    | 30.7     | 18.5     | 8.4      | 27.5 | 0.8 | C372J185-BS****++ |
| 3.9                    | 30.7     | 18.0     | 9.5      | 27.5 | 0.8 | C372S395-BS****++ | 2.7                    | 30.7     | 18.9     | 8.8      | 27.5 | 0.8 | C372T275-BS****++ | 2.2                    | 30.7     | 19.4     | 9.3      | 27.5 | 0.8 | C372J225-BS****++ |
| 4.7                    | 30.7     | 19.9     | 9.8      | 27.5 | 0.8 | C372S475-BS****++ | 3.3                    | 30.7     | 19.8     | 9.7      | 27.5 | 0.8 | C372T335-BS****++ | 2.7                    | 30.7     | 20.4     | 10.2     | 27.5 | 0.8 | C372J275-BS****++ |
| 5.6                    | 30.7     | 20.8     | 10.7     | 27.5 | 0.8 | C372S565-BS****++ | 3.9                    | 30.7     | 20.6     | 10.5     | 27.5 | 0.8 | C372T395-BS****++ | 3.3                    | 30.7     | 23.6     | 10.3     | 27.5 | 0.8 | C372J335-BS****++ |
| 6.8                    | 30.7     | 24.0     | 10.7     | 27.5 | 0.8 | C372S685-BS****++ | 4.7                    | 30.7     | 23.7     | 10.5     | 27.5 | 0.8 | C372T475-BS****++ | 3.9                    | 30.7     | 24.5     | 11.2     | 27.5 | 0.8 | C372J395-BS****++ |
| 8.2                    | 30.7     | 25.1     | 11.9     | 27.5 | 0.8 | C372S825-BS****++ | 5.6                    | 30.7     | 24.8     | 11.5     | 27.5 | 0.8 | C372T565-BS****++ | 4.7                    | 30.7     | 25.7     | 12.4     | 27.5 | 0.8 | C372J475-BS****++ |
| 10.0                   | 30.7     | 26.5     | 13.2     | 27.5 | 0.8 | C372S106-BS****++ | 6.8                    | 30.7     | 26.0     | 12.8     | 27.5 | 0.8 | C372T685-BS****++ | 5.6                    | 30.7     | 26.9     | 13.7     | 27.5 | 0.8 | C372J565-BS****++ |
| 12.0                   | 30.7     | 27.8     | 14.6     | 27.5 | 0.8 | C372S126-BS****++ | 8.2                    | 30.7     | 27.4     | 14.1     | 27.5 | 0.8 | C372T825-BS****++ | 6.8                    | 30.7     | 28.5     | 15.2     | 27.5 | 0.8 | C372J685-BS****++ |
| 15.0                   | 30.7     | 27.9     | 17.8     | 27.5 | 0.8 | C372S156-BS****++ | 10.0                   | 30.7     | 29.0     | 15.7     | 27.5 | 0.8 | C372T106-BS****++ | 8.2                    | 30.7     | 30.1     | 16.9     | 27.5 | 0.8 | C372J825-BS****++ |
| 18.0                   | 30.7     | 29.7     | 19.6     | 27.5 | 0.8 | C372S186-BS****++ | 12.0                   | 30.7     | 28.9     | 18.8     | 27.5 | 0.8 | C372T126-BS****++ | 10.0                   | 30.7     | 30.3     | 20.2     | 27.5 | 0.8 | C372J106-BS****++ |

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 table 1)。

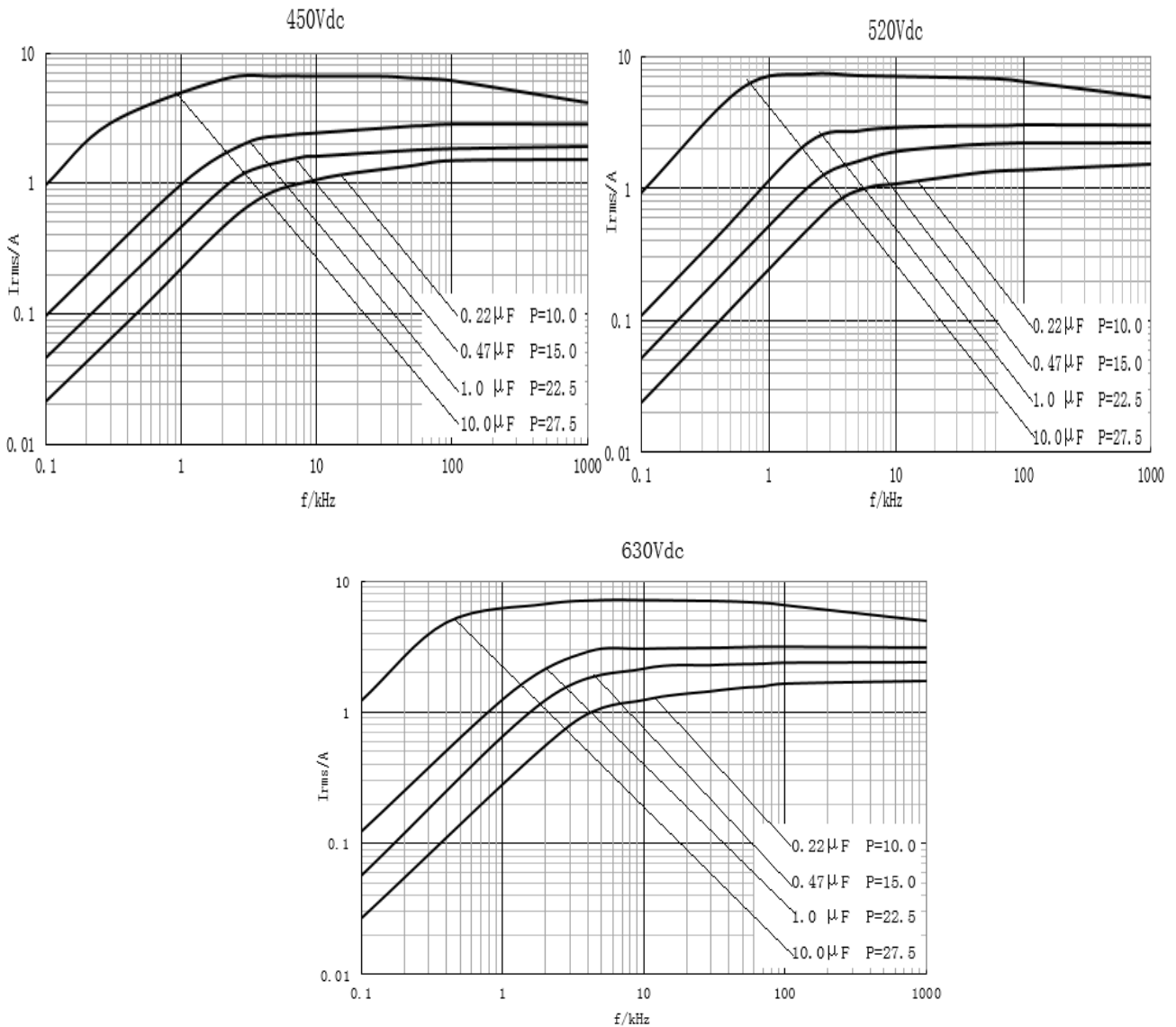


■ 外形尺寸 (mm)

| 450Vdc         |                  |                  |                  |      |     |                    | 520Vdc         |                  |                  |                  |      |     |                    | 630Vdc         |                  |                  |                  |      |     |                    |
|----------------|------------------|------------------|------------------|------|-----|--------------------|----------------|------------------|------------------|------------------|------|-----|--------------------|----------------|------------------|------------------|------------------|------|-----|--------------------|
| C <sub>N</sub> | W <sub>max</sub> | H <sub>max</sub> | T <sub>max</sub> | P    | d   | Part number        | C <sub>N</sub> | W <sub>max</sub> | H <sub>max</sub> | T <sub>max</sub> | P    | d   | Part number        | C <sub>N</sub> | W <sub>max</sub> | H <sub>max</sub> | T <sub>max</sub> | P    | d   | Part number        |
| 0.047          | 12.5             | 7.7              | 4.1              | 10.0 | 0.6 | C372S473-40****+++ | 0.039          | 12.5             | 7.8              | 4.1              | 10.0 | 0.6 | C372T393-40****+++ | 0.027          | 12.5             | 7.8              | 4.2              | 10.0 | 0.6 | C372J273-40****+++ |
| 0.056          | 12.5             | 7.9              | 4.3              | 10.0 | 0.6 | C372S563-40****+++ | 0.047          | 12.5             | 8.0              | 4.4              | 10.0 | 0.6 | C372T473-40****+++ | 0.033          | 12.5             | 8.1              | 4.5              | 10.0 | 0.6 | C372J333-40****+++ |
| 0.068          | 12.5             | 8.8              | 4.4              | 10.0 | 0.6 | C372S683-40****+++ | 0.056          | 12.5             | 8.8              | 4.4              | 10.0 | 0.6 | C372T563-40****+++ | 0.039          | 12.5             | 8.9              | 4.5              | 10.0 | 0.6 | C372J393-40****+++ |
| 0.082          | 12.5             | 9.1              | 4.7              | 10.0 | 0.6 | C372S823-40****+++ | 0.068          | 12.5             | 9.2              | 4.7              | 10.0 | 0.6 | C372T683-40****+++ | 0.047          | 12.5             | 9.2              | 4.8              | 10.0 | 0.6 | C372J473-40****+++ |
| 0.10           | 12.5             | 9.5              | 5.3              | 10.0 | 0.6 | C372S104-40****+++ | 0.082          | 12.5             | 9.5              | 5.1              | 10.0 | 0.6 | C372T823-40****+++ | 0.056          | 12.5             | 9.6              | 5.1              | 10.0 | 0.6 | C372J563-40****+++ |
| 0.12           | 12.5             | 10.4             | 5.5              | 10.0 | 0.6 | C372S124-40****+++ | 0.1            | 12.5             | 10.5             | 5.6              | 10.0 | 0.6 | C372T104-40****+++ | 0.068          | 12.5             | 10.5             | 5.3              | 10.0 | 0.6 | C372J683-40****+++ |
| 0.15           | 12.5             | 10.9             | 6.0              | 10.0 | 0.6 | C372S154-40****+++ | 0.12           | 12.5             | 10.9             | 6.0              | 10.0 | 0.6 | C372T124-40****+++ | 0.082          | 12.5             | 10.9             | 5.7              | 10.0 | 0.6 | C372J823-40****+++ |
| 0.18           | 12.5             | 11.4             | 6.4              | 10.0 | 0.6 | C372S184-40****+++ | 0.15           | 12.5             | 11.5             | 6.6              | 10.0 | 0.6 | C372T154-40****+++ | 0.10           | 12.5             | 11.4             | 6.5              | 10.0 | 0.6 | C372J104-40****+++ |
| 0.15           | 17.8             | 9.7              | 5.1              | 15.0 | 0.6 | C372S154-60****+++ | 0.18           | 12.5             | 12.0             | 7.1              | 10.0 | 0.6 | C372T184-40****+++ | 0.12           | 12.5             | 12.0             | 7.0              | 10.0 | 0.6 | C372J124-40****+++ |
| 0.18           | 17.8             | 10.6             | 5.2              | 15.0 | 0.6 | C372S184-60****+++ | 0.10           | 17.8             | 9.4              | 4.8              | 15.0 | 0.6 | C372T104-60****+++ | 0.15           | 12.5             | 12.7             | 7.8              | 10.0 | 0.6 | C372J154-40****+++ |
| 0.22           | 17.8             | 11.0             | 5.6              | 15.0 | 0.6 | C372S224-60****+++ | 0.12           | 17.8             | 9.7              | 5.1              | 15.0 | 0.6 | C372T124-60****+++ | 0.068          | 17.8             | 9.4              | 4.5              | 15.0 | 0.6 | C372J683-60****+++ |
| 0.27           | 17.8             | 11.5             | 6.0              | 15.0 | 0.6 | C372S274-60****+++ | 0.15           | 17.8             | 10.1             | 5.5              | 15.0 | 0.6 | C372T154-60****+++ | 0.082          | 17.8             | 9.7              | 4.8              | 15.0 | 0.6 | C372J823-60****+++ |
| 0.33           | 17.8             | 12.0             | 6.6              | 15.0 | 0.6 | C372S334-60****+++ | 0.18           | 17.8             | 10.5             | 5.9              | 15.0 | 0.6 | C372T184-60****+++ | 0.10           | 17.8             | 10.7             | 5.3              | 15.0 | 0.6 | C372J104-60****+++ |
| 0.39           | 17.8             | 12.5             | 7.1              | 15.0 | 0.6 | C372S394-60****+++ | 0.22           | 17.8             | 11.0             | 6.4              | 15.0 | 0.6 | C372T224-60****+++ | 0.12           | 17.8             | 11.0             | 5.6              | 15.0 | 0.6 | C372J124-60****+++ |
| 0.47           | 17.8             | 14.6             | 7.1              | 15.0 | 0.6 | C372S474-60****+++ | 0.27           | 17.8             | 12.1             | 6.6              | 15.0 | 0.6 | C372T274-60****+++ | 0.15           | 17.8             | 11.6             | 6.1              | 15.0 | 0.6 | C372J154-60****+++ |
| 0.56           | 17.8             | 15.2             | 7.7              | 15.0 | 0.8 | C372S564-60****+++ | 0.33           | 17.8             | 12.6             | 7.2              | 15.0 | 0.6 | C372T334-60****+++ | 0.18           | 17.8             | 12.0             | 6.6              | 15.0 | 0.6 | C372J184-60****+++ |
| 0.68           | 17.8             | 15.9             | 8.5              | 15.0 | 0.8 | C372S684-60****+++ | 0.39           | 17.8             | 14.7             | 7.2              | 15.0 | 0.6 | C372T394-60****+++ | 0.22           | 17.8             | 14.1             | 6.7              | 15.0 | 0.6 | C372J224-60****+++ |
| 0.82           | 17.8             | 16.8             | 9.3              | 15.0 | 0.8 | C372S824-60****+++ | 0.47           | 17.8             | 15.4             | 7.9              | 15.0 | 0.8 | C372T474-60****+++ | 0.27           | 17.8             | 14.8             | 7.3              | 15.0 | 0.6 | C372J274-60****+++ |
| 1.0            | 17.8             | 17.7             | 10.7             | 15.0 | 0.8 | C372S105-60****+++ | 0.56           | 17.8             | 16.1             | 8.6              | 15.0 | 0.8 | C372T564-60****+++ | 0.33           | 17.8             | 15.5             | 8.0              | 15.0 | 0.8 | C372J334-60****+++ |
| 1.2            | 17.8             | 18.7             | 11.7             | 15.0 | 0.8 | C372S125-60****+++ | 0.68           | 17.8             | 16.9             | 9.4              | 15.0 | 0.8 | C372T684-60****+++ | 0.39           | 17.8             | 16.1             | 8.7              | 15.0 | 0.8 | C372J394-60****+++ |
| 0.27           | 25.5             | 10.4             | 5.0              | 22.5 | 0.6 | C372S274-90****+++ | 0.82           | 17.8             | 17.8             | 10.3             | 15.0 | 0.8 | C372T824-60****+++ | 0.47           | 17.8             | 17.0             | 9.5              | 15.0 | 0.8 | C372J474-60****+++ |
| 0.33           | 25.5             | 10.8             | 5.4              | 22.5 | 0.6 | C372S334-90****+++ | 1.0            | 17.8             | 18.9             | 11.9             | 15.0 | 0.8 | C372T105-60****+++ | 0.56           | 17.8             | 17.8             | 10.3             | 15.0 | 0.8 | C372J564-60****+++ |
| 0.39           | 25.5             | 11.2             | 5.7              | 22.5 | 0.6 | C372S394-90****+++ | 0.33           | 25.5             | 11.3             | 5.9              | 22.5 | 0.6 | C372T334-90****+++ | 0.68           | 17.8             | 18.9             | 11.4             | 15.0 | 0.8 | C372J684-60****+++ |
| 0.47           | 25.5             | 11.6             | 6.2              | 22.5 | 0.6 | C372S474-90****+++ | 0.39           | 25.5             | 11.7             | 6.3              | 22.5 | 0.6 | C372T394-90****+++ | 0.82           | 17.8             | 20.9             | 11.8             | 15.0 | 0.8 | C372J824-60****+++ |
| 0.56           | 25.5             | 13.6             | 6.2              | 22.5 | 0.6 | C372S564-90****+++ | 0.47           | 25.5             | 13.8             | 6.3              | 22.5 | 0.6 | C372T474-90****+++ | 1.0            | 17.8             | 22.1             | 13.6             | 15.0 | 0.8 | C372J105-60****+++ |
| 0.68           | 25.5             | 14.2             | 6.7              | 22.5 | 0.6 | C372S684-90****+++ | 0.56           | 25.5             | 14.3             | 6.8              | 22.5 | 0.6 | C372T564-90****+++ | 0.22           | 25.5             | 11.3             | 5.9              | 22.5 | 0.6 | C372J224-90****+++ |
| 0.82           | 25.5             | 15.9             | 6.8              | 22.5 | 0.6 | C372S824-90****+++ | 0.68           | 25.5             | 16.0             | 6.9              | 22.5 | 0.6 | C372T684-90****+++ | 0.27           | 25.5             | 11.8             | 6.4              | 22.5 | 0.6 | C372J274-90****+++ |
| 1.0            | 25.5             | 16.5             | 8.0              | 22.5 | 0.8 | C372S105-90****+++ | 0.82           | 25.5             | 16.6             | 7.6              | 22.5 | 0.8 | C372T824-90****+++ | 0.33           | 25.5             | 12.3             | 6.9              | 22.5 | 0.6 | C372J334-90****+++ |
| 1.2            | 25.5             | 17.3             | 8.7              | 22.5 | 0.8 | C372S125-90****+++ | 1.0            | 25.5             | 17.4             | 8.9              | 22.5 | 0.8 | C372T105-90****+++ | 0.39           | 25.5             | 14.4             | 6.9              | 22.5 | 0.6 | C372J394-90****+++ |
| 1.5            | 25.5             | 18.2             | 9.7              | 22.5 | 0.8 | C372S155-90****+++ | 1.2            | 25.5             | 18.2             | 9.7              | 22.5 | 0.8 | C372T125-90****+++ | 0.47           | 25.5             | 15.0             | 7.5              | 22.5 | 0.8 | C372J474-90****+++ |
| 1.8            | 25.5             | 19.1             | 10.6             | 22.5 | 0.8 | C372S185-90****+++ | 1.5            | 25.5             | 20.3             | 10.2             | 22.5 | 0.8 | C372T155-90****+++ | 0.56           | 25.5             | 16.7             | 7.6              | 22.5 | 0.8 | C372J564-90****+++ |
| 2.2            | 25.5             | 20.2             | 11.7             | 22.5 | 0.8 | C372S225-90****+++ | 1.8            | 25.5             | 21.3             | 11.2             | 22.5 | 0.8 | C372T185-90****+++ | 0.68           | 25.5             | 17.4             | 8.3              | 22.5 | 0.8 | C372J684-90****+++ |
| 2.7            | 25.5             | 21.5             | 12.9             | 22.5 | 0.8 | C372S275-90****+++ | 2.2            | 25.5             | 22.5             | 12.4             | 22.5 | 0.8 | C372T225-90****+++ | 0.82           | 25.5             | 18.2             | 9.2              | 22.5 | 0.8 | C372J824-90****+++ |
| 0.68           | 30.7             | 13.5             | 6.0              | 27.5 | 0.6 | C372S684-B0****+++ | 0.47           | 30.7             | 11.6             | 6.2              | 27.5 | 0.6 | C372T474-B0****+++ | 1.0            | 25.5             | 19.2             | 10.6             | 22.5 | 0.8 | C372J105-90****+++ |
| 0.82           | 30.7             | 14.0             | 6.6              | 27.5 | 0.6 | C372S824-B0****+++ | 0.56           | 30.7             | 12.1             | 6.6              | 27.5 | 0.6 | C372T564-B0****+++ | 1.2            | 25.5             | 20.2             | 11.6             | 22.5 | 0.8 | C372J125-90****+++ |
| 1.0            | 30.7             | 14.7             | 7.7              | 27.5 | 0.6 | C372S105-B0****+++ | 0.68           | 30.7             | 12.6             | 7.2              | 27.5 | 0.6 | C372T684-B0****+++ | 1.5            | 25.5             | 22.5             | 12.4             | 22.5 | 0.8 | C372J155-90****+++ |
| 1.2            | 30.7             | 16.4             | 7.8              | 27.5 | 0.8 | C372S125-B0****+++ | 0.82           | 30.7             | 13.8             | 7.8              | 27.5 | 0.8 | C372T824-B0****+++ | 1.8            | 25.5             | 23.7             | 13.6             | 22.5 | 0.8 | C372J185-90****+++ |
| 1.5            | 30.7             | 17.2             | 8.7              | 27.5 | 0.8 | C372S155-B0****+++ | 1.0            | 30.7             | 14.5             | 9.1              | 27.5 | 0.8 | C372T105-B0****+++ | 2.2            | 25.5             | 25.2             | 15.1             | 22.5 | 0.8 | C372J225-90****+++ |
| 1.8            | 30.7             | 18.0             | 9.4              | 27.5 | 0.8 | C372S185-B0****+++ | 1.2            | 30.7             | 16.2             | 9.2              | 27.5 | 0.8 | C372T125-B0****+++ | 0.27           | 30.7             | 11.2             | 5.8              | 27.5 | 0.6 | C372J274-B0****+++ |
| 2.2            | 30.7             | 20.0             | 9.8              | 27.5 | 0.8 | C372S225-B0****+++ | 1.5            | 30.7             | 17.2             | 10.2             | 27.5 | 0.8 | C372T155-B0****+++ | 0.33           | 30.7             | 11.7             | 6.3              | 27.5 | 0.6 | C372J334-B0****+++ |
| 2.7            | 30.7             | 23.2             | 9.9              | 27.5 | 0.8 | C372S275-B0****+++ | 1.8            | 30.7             | 19.0             | 10.5             | 27.5 | 0.8 | C372T185-B0****+++ | 0.39           | 30.7             | 12.1             | 6.7              | 27.5 | 0.6 | C372J394-B0****+++ |
| 3.3            | 30.7             | 24.3             | 11.0             | 27.5 | 0.8 | C372S335-B0****+++ | 2.2            | 30.7             | 21.1             | 11.0             | 27.5 | 0.8 | C372T225-B0****+++ | 0.47           | 30.7             | 12.7             | 7.3              | 27.5 | 0.6 | C372J474-B0****+++ |
| 3.9            | 30.7             | 25.3             | 12.0             | 27.5 | 0.8 | C372S395-B0****+++ | 2.7            | 30.7             | 24.4             | 11.1             | 27.5 | 0.8 | C372T275-B0****+++ | 0.56           | 30.7             | 13.8             | 7.9              | 27.5 | 0.8 | C372J564-B0****+++ |
| 4.7            | 30.7             | 26.6             | 13.3             | 27.5 | 0.8 | C372S475-B0****+++ | 3.3            | 30.7             | 25.6             | 12.4             | 27.5 | 0.8 | C372T335-B0****+++ | 0.68           | 30.7             | 15.5             | 8.0              | 27.5 | 0.8 | C372J684-B0****+++ |
| 5.6            | 30.7             | 28.0             | 14.7             | 27.5 | 0.8 | C372S565-B0****+++ | 3.9            | 30.7             | 26.8             | 13.6             | 27.5 | 0.8 | C372T395-B0****+++ | 0.82           | 30.7             | 16.2             | 8.7              | 27.5 | 0.8 | C372J824-B0****+++ |
| 6.8            | 30.7             | 29.6             | 16.4             | 27.5 | 0.8 | C372S685-B0****+++ | 4.7            | 30.7             | 28.3             | 15.0             | 27.5 | 0.8 | C372T475-B0****+++ | 1.0            | 30.7             | 18.0             | 9.7              | 27.5 | 0.8 | C372J105-B0****+++ |
| 8.2            | 30.7             | 31.4             | 18.2             | 27.5 | 0.8 | C372S825-B0****+++ | 5.6            | 30.7             | 29.8             | 16.6             | 27.5 | 0.8 | C372T565-B0****+++ | 1.2            | 30.7             | 19.9             | 9.8              | 27.5 | 0.8 | C372J125-B0****+++ |
| 10.0           | 30.7             | 33.5             | 20.3             | 27.5 | 0.8 | C372S106-B0****+++ | 6.8            | 30.7             | 31.7             | 18.4             | 27.5 | 0.8 | C372T685-B0****+++ | 1.5            | 30.7             | 21.1             | 11.0             | 27.5 | 0.8 | C372J155-B0****+++ |
|                |                  |                  |                  |      |     |                    | 8.2            | 30.7             | 33.7             | 20.5             | 27.5 | 0.8 | C372T825-B0****+++ | 1.8            | 30.7             | 24.2             | 10.9             | 27.5 | 0.8 | C372J185-B0****+++ |
|                |                  |                  |                  |      |     |                    |                |                  |                  |                  |      |     |                    | 2.2            | 30.7             | 25.5             | 12.2             | 27.5 | 0.8 | C372J225-B0****+++ |
|                |                  |                  |                  |      |     |                    |                |                  |                  |                  |      |     |                    | 2.7            | 30.7             | 26.9             | 13.6             | 27.5 | 0.8 | C372J275-B0****+++ |
|                |                  |                  |                  |      |     |                    |                |                  |                  |                  |      |     |                    | 3.3            | 30.7             | 28.5             | 15.2             | 27.5 | 0.8 | C372J335-B0****+++ |
|                |                  |                  |                  |      |     |                    |                |                  |                  |                  |      |     |                    | 3.9            | 30.7             | 29.9             | 16.7             | 27.5 | 0.8 | C372J395-B0****+++ |
|                |                  |                  |                  |      |     |                    |                |                  |                  |                  |      |     |                    | 4.7            | 30.7             | 31.7             | 18.5             | 27.5 | 0.8 | C372J475-B0****+++ |
|                |                  |                  |                  |      |     |                    |                |                  |                  |                  |      |     |                    | 5.6            | 30.7             | 33.6             | 20.3             | 27.5 | 0.8 | C372J565-B0****+++ |

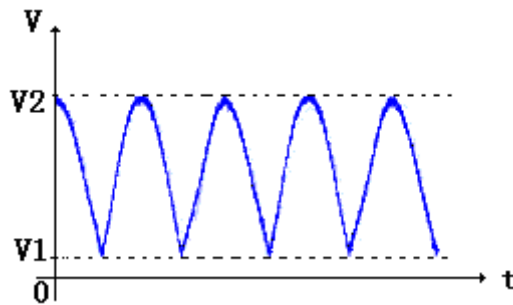
备注: 1. “-”表示容量偏差。M=±20%,K=±10%,J=±5%,  
 2. “\*\*\*\*”表示引线加工和包装代码(见 table 1)。

## ■ 最大可允许电流 (I<sub>rms</sub>) --- 频率特性曲线 (小型化)



备注：1、正弦波、环境温度 $\leq 85^{\circ}\text{C}$ 。

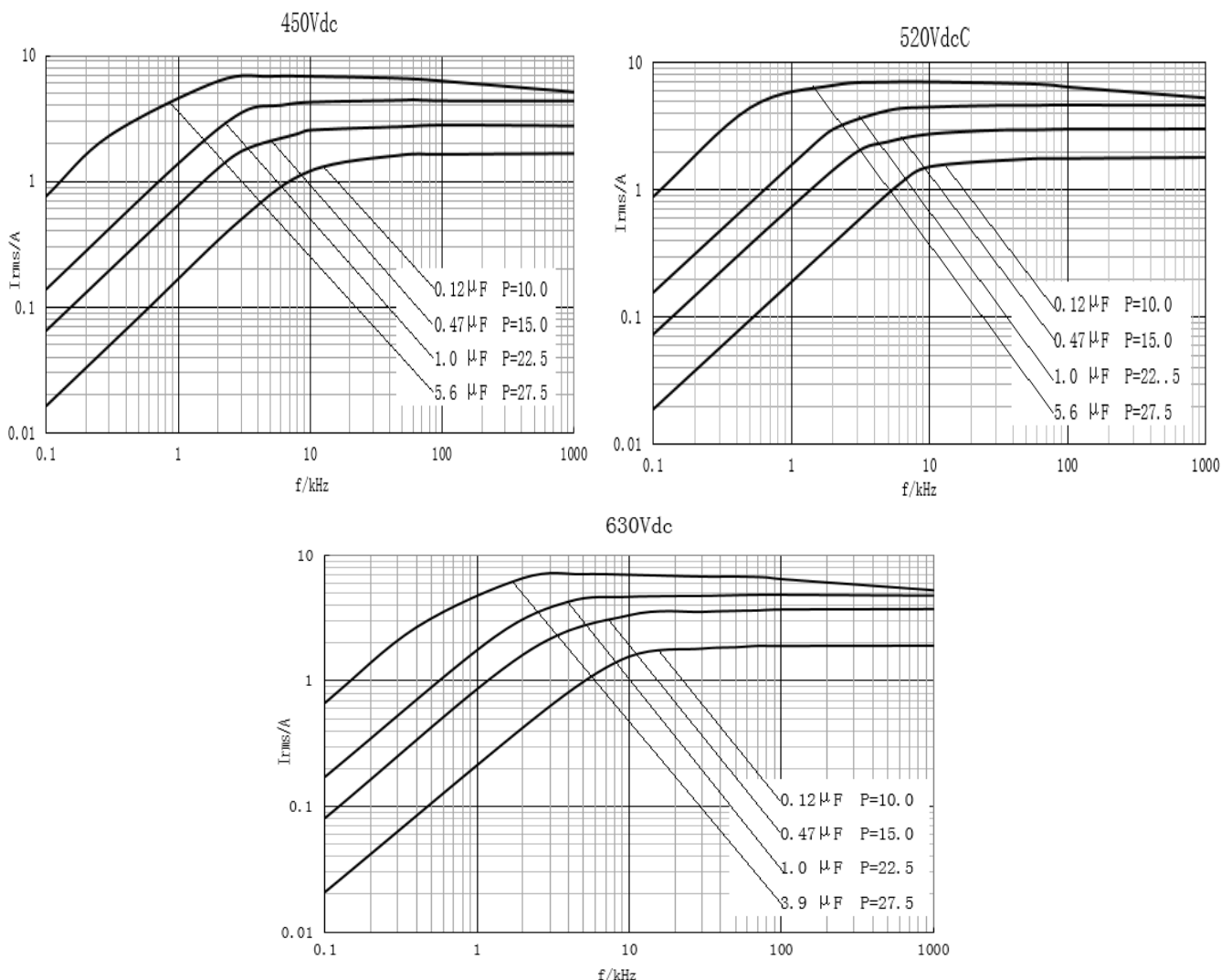
2、仅推荐此型号电容器用于 DC-filter 或 DC-blocking 电路，即用于单向纹波电压电路中，典型的电压曲线参考如下。如果您对本说明任何问题，请随时与我们技术工程师联系。



这里： $V_1 \geq 0, V_2 \leq U_R, I_{rms} = 2\pi fC (V_2 - V_1)/\sqrt{2}$

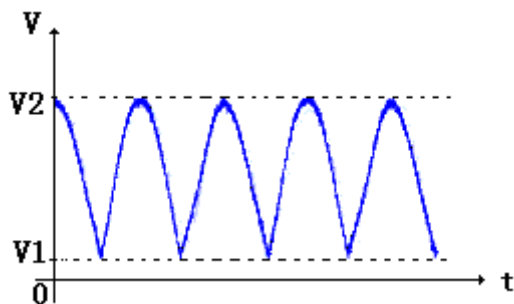
$U_R$  为电容器额定电压

## ■ 最大允许电流 (I<sub>r.m.s</sub>) --- 频率特性曲线



备注：1、正弦波、环境温度 $\leq 85^{\circ}C$ ,内部温升 $\Delta T=10^{\circ}C$ , P(mm).

2. 仅推荐此型号电容器用于 DC-filter 或 DC-blocking 电路,即用于单向纹波电压电路中,典型的电压曲线参考如下。如果您对本说明任何问题,请随时与我们技术工程师联系。



这里:  $V_1 \geq 0, V_2 \leq U_R, I_{r.m.s} = 2\pi fC (V_2 - V_1)/\sqrt{2}$

$U_R$  为电容器额定电压



**■ 测试方法及性能**

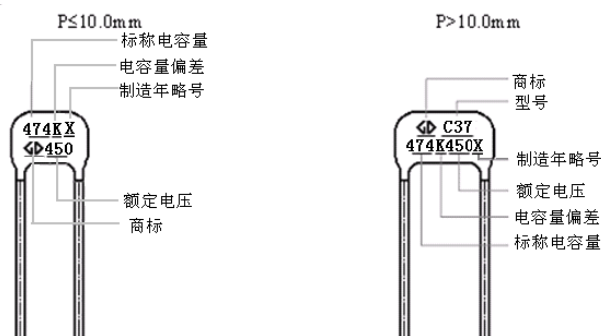
| 序号 | 项目     | 性能   | 测试方法 (IEC 60384-16)  |                       |
|----|--------|--|--|-----------------------|
| 1  | 可焊性    | 镀锡良好   | 焊料温度: 245°C±5°C<br>浸渍时间: 2.0s±0.5s   |                       |
| 2  | 初始测量   | 电容量<br>损耗角正切: 1kHz, C>1.0μF<br>10kHz, C≤1.0μF  |  |                       |
|    | 引出端强度  | 外观无可见损伤  | 拉力: 0.6≤φd≤0.8mm, 10N<br>φd=1.0mm, 20N<br>弯曲试验 Ub:<br>弯力: 0.6≤φd≤0.8mm, 5N<br>φd=1.0mm, 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, 标识清晰  | 焊料温度: 260°C±5°C<br>浸渍时间: 10s±1s  |                       |
|    | 最后测量   | 电容量 (与初始测量值 C 相比):<br> ΔC/C ≤3%<br>损耗角正切:<br>tgδ的增量≤0.004(10kHz,C≤1.0μF)<br>tgδ的增量≤0.004(1kHz,C>1.0μF)                       |  |                       |
| 3  | 初始测量   | 电容量<br>损耗角正切: 1kHz, C>1.0μF<br>10kHz, C≤1.0μF  |  |                       |
|    | 温度快速变化 | 外观无可见损伤  | θ <sub>A</sub> =-40°C, θ <sub>B</sub> =+105°C 5次循环<br>持续时间: t=30min  |                       |
|    | 振动     | 外观无可见损伤  | 振幅 0.75mm 或加速度 98m/s <sup>2</sup> (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  | 1000 次, 加速度 390m/s <sup>2</sup> , 脉冲持续时间: 6ms  |                       |
|    | 最后测量   | 电容量 (与初始测量值 C 相比):<br> ΔC/C ≤3%<br>损耗角正切:<br>tgδ的增量≤0.004(10kHz,C≤1.0μF)<br>tgδ的增量≤0.004(1kHz,C>1.0μF)<br>绝缘电阻 IR: ≥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>1.0μF<br>10kHz, C≤1.0μF  |                       |
|    |        | 干热   | +105°C, 16h  |                       |
|    |        | 循环湿热   | 试验 Db, 严酷度 b, 第一次循环  |                       |
|    |        | 寒冷   | -40°C, 2h  |                       |
|    |        | 低气压  | 在试验的最后 1min, 施加 U <sub>R</sub> 无永久性击穿, 飞弧或外壳的有害变形。   | 15°C~35°C, 8.5kPa, 1h |
|    |        | 循环湿热   | 在试验结束后 15 分钟内, 施加 U <sub>R</sub> 1 分钟  | 试验 Db, 严酷度 b, 其余循环    |

| 序号 | 项目    |      | 性能  | 测试方法(IEC 60384-16)  |
|----|-------|------|---|---|
| 4  | 气候顺序  | 最后测量 | 外观无可见损伤, 标志清晰,<br>电容量 (与初始测量值 C 相比):<br>$ \Delta C/C  \leq 5\%$<br>损耗角正切增加:<br>$\text{tg}\delta$ 的增量 $\leq 0.005$ (10kHz, $C \leq 1.0\mu\text{F}$ )<br>$\text{tg}\delta$ 的增量 $\leq 0.005$ (1kHz, $C > 1.0\mu\text{F}$ )<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 (与初始测量值 C 相比):<br>$ \Delta C/C  \leq 5\%$<br>损耗角正切增量: $\leq 0.002$ (1kHz)<br>绝缘电阻 IR: $\geq$ 额定值的 50%   | 温度: $40^\circ\text{C} \pm 2^\circ\text{C}$<br>湿度: $93^{+2}_{-3} \% \text{RH}$<br>持续时间: 56 天   |
| 6  | 耐久性   |      | 外观无可见损伤, 标志清晰,<br>电容量变化 (与初始测量值 C 相比):<br>$ \Delta C/C  \leq 5\%$<br>损耗角正切:<br>$\text{tg}\delta$ 的增量 $\leq 0.004$ (10kHz, $C \leq 1.0\mu\text{F}$ )<br>$\text{tg}\delta$ 的增量 $\leq 0.004$ (1kHz, $C > 1.0\mu\text{F}$ )<br>绝缘电阻 IR: $\geq$ 额定值的 50% | 温度: $85^\circ\text{C}$<br>施加电压: $1.25 U_R$<br>时间: 1 000h  |
| 7  | 充电和放电 |      | 电容量变化 (与初始测量值 C 相比):<br>$ \Delta C/C  \leq 5\%$<br>损耗角正切增加:<br>$\text{tg}\delta$ 的增量 $\leq 0.005$ (10kHz, $C \leq 1.0\mu\text{F}$ )<br>$\text{tg}\delta$ 的增量 $\leq 0.005$ (1kHz, $C > 1.0\mu\text{F}$ )<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: $U_R \div C_R \div dV/dt (\Omega)$<br>$C_R$ 为标称电容量( $\mu\text{F}$ )<br>dV/dt 值: 见 P2 |

## ■ 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



## ■ 浸渍型电容器径向编带说明

### ▲ 外形图

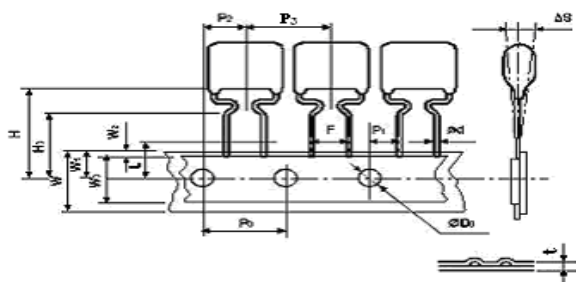


Fig.1

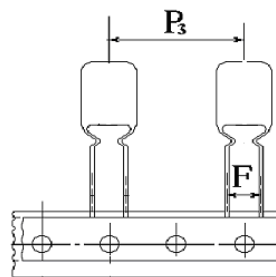


Fig 2

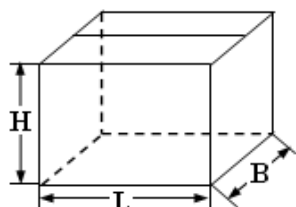
### ▲ 编带尺寸表 (mm)

| 技术指标名称                 | 代号         | 尺寸(mm) |       |        |        | 误差            |
|------------------------|------------|--------|-------|--------|--------|---------------|
|                        |            | P=5.0  | P=7.5 | P=10.0 | P=15.0 |               |
| 编带类型                   | —          | Fig 1  | Fig 1 | Fig 2  | Fig 2  | —             |
| Part number 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                | $\Delta S$ | 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;

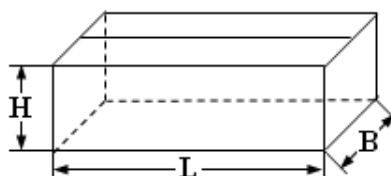
## ■ 包装箱尺寸(mm)

### 1. 散装外包装箱尺寸



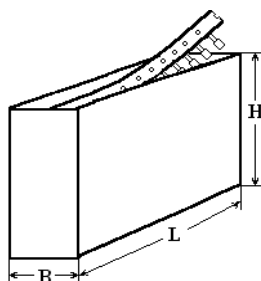
L:375±5  
B:375±5  
H:265±5

### 2. 散装内包装箱尺寸



L:355±3  
B:175±3  
H:118±3

### 3. 径向编带包装箱尺寸



L:330±3  
B:48±3  
H:260±3

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