



C22  
CL21X series

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

### ■ 外形图 Outline Drawing

|                                       | Forming Lead Shapes |                 |                 |                 |
|---------------------------------------|---------------------|-----------------|-----------------|-----------------|
|                                       | I                   | II              | III             | IV              |
|                                       |                     |                 |                 |                 |
|                                       | P > F               |                 | P < F           |                 |
|                                       | 0mm < P-F < 3mm     | 3mm < P-F < 8mm | 3mm < F-P < 5mm | 0mm < F-P < 3mm |
| F ± 0.8mm; A ≤ 5.0mm; B = 4.5 ± 0.5mm |                     |                 |                 |                 |

### ■ 特点

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

### ■ 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)

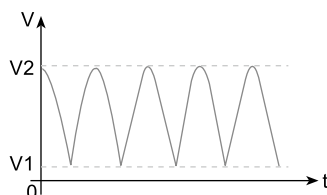
### ■ Features

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

### ■ Typical Applications

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

α : The series product is only recommended to use in DC-filter or DC-blocking circuits. It means the voltage applied to the capacitors must be unidirectional ripple voltage. The typical voltage curve is as follows reference. If you have any questions for this note, please feel free to contact with our technical engineer.



Here:  $V_1 \geq 0$ ,  $V_2 \leq U_R$ ,  $V_{rms} = (V_2 - V_1) \div \sqrt{2}$ ,  $I_{rms} = 2\pi f \times C \times (V_2 - V_1) \div \sqrt{2}$   
 $U_R$  is the rated voltage of the capacitor

### ■ 技术要求 Specifications

|                                                                                                                                                                                                                                                                                                                                               |                                                                                                                    |              |        |        |        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|--------------|--------|--------|--------|
| 引用标准 Reference Standard                                                                                                                                                                                                                                                                                                                       | GB/T 7332 (IEC 60384-2)                                                                                            |              |        |        |        |
| 气候类别 Climatic Category                                                                                                                                                                                                                                                                                                                        | 55/105/21                                                                                                          |              |        |        |        |
| 额定温度 Rated Temperature                                                                                                                                                                                                                                                                                                                        | 85°C                                                                                                               |              |        |        |        |
| 工作温度范围 Operating Temperature Range                                                                                                                                                                                                                                                                                                            | -55°C ~ 105°C<br>(+85°C to +105°C: decreasing factor 1.25% per °C for $U_R$ )                                      |              |        |        |        |
| 额定电压 Rated Voltage                                                                                                                                                                                                                                                                                                                            | 250V, 400V/450V, 520V, 630V                                                                                        |              |        |        |        |
| 电容量范围 Capacitance Range                                                                                                                                                                                                                                                                                                                       | 0.010μF ~ 10.0μF                                                                                                   |              |        |        |        |
| 电容量偏差 Capacitance Tolerance                                                                                                                                                                                                                                                                                                                   | ± 5%(J), ± 10%(K), ± 20%(M)                                                                                        |              |        |        |        |
| 耐电压 Voltage Proof                                                                                                                                                                                                                                                                                                                             | 1.6 $U_R$ ( 5s )                                                                                                   |              |        |        |        |
| 损耗角正切 Dissipation Factor                                                                                                                                                                                                                                                                                                                      | ≤ 0.8% ( 20°C , 1kHz )                                                                                             |              |        |        |        |
| 绝缘电阻 Insulation Resistance                                                                                                                                                                                                                                                                                                                    | $R \geq 30\,000\,M\Omega$ , $C_N \leq 0.33\mu F$<br>$R_{C_N} \geq 5\,000s$ , $C_N > 0.33\mu F$ (20°C , 100V, 1min) |              |        |        |        |
| 最大脉冲爬升速率 Maximum Pulse Rise Time(dV/dt):<br>若实际工作电压 U 比额定电压 $U_R$ 低, 电容器可工作在更高的 dV/dt 场合, 这样 dV/dt 允许值应为右表值乘以 $U_R/U$ 。<br>If the working voltage(U) is lower than the rated voltage( $U_R$ ), the capacitor can be worked at a higher dV/dt. In this case, the maximum allowed dV/dt is obtain by multiplying the right value with $U_R/U$ . | $U_R(V)$                                                                                                           | dV/dt (V/μs) |        |        |        |
|                                                                                                                                                                                                                                                                                                                                               |                                                                                                                    | P=7.5        | P=10.0 | P=15.0 | P=22.5 |
|                                                                                                                                                                                                                                                                                                                                               | 250                                                                                                                | 80           | 60     | 50     | 30     |
|                                                                                                                                                                                                                                                                                                                                               | 400/450                                                                                                            | 150          | 120    | 100    | 50     |
|                                                                                                                                                                                                                                                                                                                                               | 520                                                                                                                | 200          | 180    | 150    | 80     |
|                                                                                                                                                                                                                                                                                                                                               | 630                                                                                                                | 350          | 300    | 200    | 100    |

## 产品编码说明 Part number system

### ■ 18位产品代码如下：

The 18 digits part number is formed as follow:

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

|         |                                     |                |                                               |
|---------|-------------------------------------|----------------|-----------------------------------------------|
| 第1~3位   | 型号代码                                | Digit 1 to 3   | Series code                                   |
|         | C22=CL21X                           |                | C22=CL21X                                     |
| 第4~5位   | 直流额定电压                              | Digit 4 to 5   | DC rated voltage                              |
|         | 2E=250V 2G=400V 2S=450V             |                | 2E=250V 2G=400V 2S=450V                       |
|         | 2T=520V 2J=630V                     |                | 2T=520V 2J=630V                               |
| 第6~8位   | 标称容量                                | Digit 6 to 8   | Rated capacitance value                       |
|         | 举例：103=10×10 <sup>3</sup> pF=0.01μF |                | For example: 103=10×10 <sup>3</sup> pF=0.01μF |
| 第9位     | 容量偏差                                | Digit 9        | Capacitance tolerance                         |
|         | J=±5% K=±10% M=±20%                 |                | J=±5%,K=±10%,M=±20%                           |
| 第10位    | 引线脚距P                               | Digit 10       | Pitch                                         |
|         | 3=7.5mm 4=10.0mm                    |                | 3=7.5mm 4=10.0mm                              |
|         | 6=15.0mm 9=22.5mm                   |                | 6=15.0mm 9=22.5mm                             |
| 第11位    | 内部特征码                               | Digit 11       | Internal use                                  |
| 第12~15位 | 引线加工和包装代码                           | Digit 12 to 15 | Lead form and packaging code                  |
| 第16~18位 | 内部特征码                               | Digit 16 to 18 | Internal use                                  |

### ■ Table 1 引线加工和包装代码 lead form and packaging code

| 第 12 位 Digit 12                                                                                                     |                                                | 第 13 位 Digit 13 |                                 | 第 14 位 Digit 14 |                              | 第 15 位 Digit 15                          |                                                                                                  |
|---------------------------------------------------------------------------------------------------------------------|------------------------------------------------|-----------------|---------------------------------|-----------------|------------------------------|------------------------------------------|--------------------------------------------------------------------------------------------------|
| 代码 Code                                                                                                             | 说明 explanation                                 | 代码 Code         | 说明 explanation                  | 代码 Code         | 说明 explanation               | 代码 Code                                  | 说明 explanation                                                                                   |
| A                                                                                                                   | 弹带包装<br>ammo-pack                              | 2               | F=5.0mm                         | 1               | 表示弯脚<br>kinked               | A                                        | 产品在连续的两个载带孔之间<br>each cap. between two consecutive holes<br>P3=12.7mm,H=20.0mm (For pitch=7.5mm) |
|                                                                                                                     |                                                | 3               | F=7.5mm                         |                 |                              | E                                        | P3=25.4mm;H=20.0mm (For pitch=10.0/15.0mm)                                                       |
|                                                                                                                     |                                                | 4               | F=10.0mm                        |                 |                              |                                          | (Detail information refer to pag 18)                                                             |
|                                                                                                                     |                                                | 6               | F=15.0mm                        |                 |                              |                                          |                                                                                                  |
| F                                                                                                                   | 引线成型<br>lead kinked                            | 2               | F=5.0mm                         | 0               | B=4.5mm<br>(the length of B) | 0                                        | B 的长度偏差 ±0.5mm<br>B Length tolerance ±0.5mm                                                      |
|                                                                                                                     |                                                | 3               | F=7.5mm                         |                 |                              |                                          |                                                                                                  |
|                                                                                                                     |                                                | 4               | F=10.0mm                        |                 |                              |                                          |                                                                                                  |
|                                                                                                                     |                                                | 6               | F=15.0mm                        |                 |                              |                                          |                                                                                                  |
| Y                                                                                                                   | 直脚<br>straight lead<br>“Y” in the figure above | 代码 Code         | 说明 explanation                  |                 | 0                            | 引线长度偏差 ±0.5mm<br>Length tolerance ±0.5mm |                                                                                                  |
|                                                                                                                     |                                                | 45              | 引线长度 4.5mm<br>lead length 4.5mm |                 |                              |                                          |                                                                                                  |
| 第 12-15 位代码为 “C000” 表示标准的引线长度 ( 20mm ~ 30mm )<br>Digit 12-15 code “C000” means standard lead length ( 20mm ~ 30mm ) |                                                |                 |                                 |                 |                              |                                          |                                                                                                  |



**C22**  
CL21X series

## ■ 外形尺寸 Dimensions ( mm )

### 小型化 Miniature version

| 250Vdc                 |          |          |          |      |     |                    |
|------------------------|----------|----------|----------|------|-----|--------------------|
| C <sub>N</sub><br>(μF) | W<br>max | H<br>max | T<br>max | P    | d   | Part number        |
| 0.22                   | 9.8      | 7.9      | 4.0      | 7.5  | 0.5 | C222E224-3S****+++ |
| 0.27                   | 9.8      | 8.8      | 4.1      | 7.5  | 0.5 | C222E274-3S****+++ |
| 0.33                   | 9.8      | 9.1      | 4.5      | 7.5  | 0.5 | C222E334-3S****+++ |
| 0.47                   | 9.8      | 11.4     | 5.0      | 7.5  | 0.5 | C222E474-3S****+++ |
| 0.56                   | 9.8      | 12.9     | 5.1      | 7.5  | 0.5 | C222E564-3S****+++ |
| 0.68                   | 9.8      | 13.4     | 5.6      | 7.5  | 0.5 | C222E684-3S****+++ |
| 0.82                   | 9.8      | 13.9     | 6.1      | 7.5  | 0.5 | C222E824-3S****+++ |
| 1.00                   | 9.8      | 14.5     | 6.7      | 7.5  | 0.5 | C222E105-3S****+++ |
| 0.33                   | 12.3     | 7.9      | 4.1      | 10.0 | 0.6 | C222E334-4S****+++ |
| 0.47                   | 12.3     | 9.6      | 4.2      | 10.0 | 0.6 | C222E474-4S****+++ |
| 0.56                   | 12.3     | 9.9      | 4.7      | 10.0 | 0.6 | C222E564-4S****+++ |
| 0.68                   | 12.3     | 10.3     | 5.1      | 10.0 | 0.6 | C222E684-4S****+++ |
| 0.82                   | 12.3     | 10.8     | 5.5      | 10.0 | 0.6 | C222E824-4S****+++ |
| 1.00                   | 12.3     | 11.3     | 6.1      | 10.0 | 0.6 | C222E105-4S****+++ |

| 520Vdc                 |          |          |          |      |     |                    |
|------------------------|----------|----------|----------|------|-----|--------------------|
| C <sub>N</sub><br>(μF) | W<br>max | H<br>max | T<br>max | P    | d   | Part number        |
| 0.033                  | 9.8      | 7.7      | 3.9      | 7.5  | 0.5 | C222T333-3S****+++ |
| 0.047                  | 9.8      | 8.8      | 4.1      | 7.5  | 0.5 | C222T473-3S****+++ |
| 0.068                  | 9.8      | 9.4      | 4.8      | 7.5  | 0.5 | C222T683-3S****+++ |
| 0.10                   | 9.8      | 10.8     | 5.8      | 7.5  | 0.5 | C222T104-3S****+++ |
| 0.15                   | 9.8      | 11.9     | 7.0      | 7.5  | 0.5 | C222T154-3S****+++ |
| 0.068                  | 12.3     | 8.7      | 4.0      | 10.0 | 0.6 | C222T683-4S****+++ |
| 0.10                   | 12.3     | 9.9      | 4.5      | 10.0 | 0.6 | C222T104-4S****+++ |
| 0.15                   | 12.3     | 10.7     | 5.3      | 10.0 | 0.6 | C222T154-4S****+++ |
| 0.22                   | 12.3     | 13.3     | 6.0      | 10.0 | 0.6 | C222T224-4S****+++ |
| 0.33                   | 12.3     | 14.6     | 7.3      | 10.0 | 0.6 | C222T334-4S****+++ |

| 400Vdc/450Vdc <sup>#</sup> |          |          |          |      |     |                    |
|----------------------------|----------|----------|----------|------|-----|--------------------|
| C <sub>N</sub><br>(μF)     | W<br>max | H<br>max | T<br>max | P    | d   | Part number        |
| 0.047                      | 9.8      | 6.9      | 3.7      | 7.5  | 0.5 | C222G473-3S****+++ |
| 0.068                      | 9.8      | 7.8      | 4.0      | 7.5  | 0.5 | C222G683-3S****+++ |
| 0.082                      | 9.8      | 8.7      | 4.0      | 7.5  | 0.5 | C222G823-3S****+++ |
| 0.10                       | 9.8      | 9.0      | 4.4      | 7.5  | 0.5 | C222G104-3S****+++ |
| 0.12                       | 9.8      | 9.3      | 4.7      | 7.5  | 0.5 | C222G124-3S****+++ |
| 0.15                       | 9.8      | 10.8     | 5.1      | 7.5  | 0.5 | C222G154-3S****+++ |
| 0.18                       | 9.8      | 11.2     | 5.5      | 7.5  | 0.5 | C222G184-3S****+++ |
| 0.22                       | 9.8      | 11.8     | 6.0      | 7.5  | 0.5 | C222G224-3S****+++ |
| 0.27                       | 9.8      | 12.4     | 6.6      | 7.5  | 0.5 | C222G274-3S****+++ |
| 0.10                       | 12.3     | 8.4      | 3.8      | 10.0 | 0.6 | C222G104-4S****+++ |
| 0.12                       | 12.3     | 8.7      | 4.0      | 10.0 | 0.6 | C222G124-4S****+++ |
| 0.15                       | 12.3     | 9.0      | 4.4      | 10.0 | 0.6 | C222G154-4S****+++ |
| 0.18                       | 12.3     | 9.4      | 4.7      | 10.0 | 0.6 | C222G184-4S****+++ |
| 0.22                       | 12.3     | 10.3     | 4.9      | 10.0 | 0.6 | C222G224-4S****+++ |
| 0.27                       | 12.3     | 10.8     | 5.4      | 10.0 | 0.6 | C222G274-4S****+++ |
| 0.33                       | 12.3     | 12.3     | 5.4      | 10.0 | 0.6 | C222G334-4S****+++ |
| 0.47                       | 12.3     | 13.9     | 6.6      | 10.0 | 0.6 | C222G474-4S****+++ |
| 0.68                       | 12.3     | 16.8     | 7.4      | 10.0 | 0.6 | C222G684-4S****+++ |
| 0.82                       | 12.3     | 17.5     | 8.2      | 10.0 | 0.6 | C222G824-4S****+++ |
| 1.00                       | 12.3     | 18.4     | 9.1      | 10.0 | 0.6 | C222G105-4S****+++ |

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

■ 外形尺寸 Dimensions ( mm )

| 250Vdc                 |          |          |          |      |     |                    |
|------------------------|----------|----------|----------|------|-----|--------------------|
| C <sub>N</sub><br>(μF) | W<br>max | H<br>max | T<br>max | P    | d   | Part number        |
| 0.10                   | 9.8      | 7.7      | 4.0      | 7.5  | 0.5 | C222E104-30****+++ |
| 0.15                   | 9.8      | 8.3      | 4.5      | 7.5  | 0.5 | C222E154-30****+++ |
| 0.22                   | 10.0     | 9.9      | 4.9      | 7.5  | 0.5 | C222E224-30****+++ |
| 0.33                   | 10.0     | 10.4     | 5.7      | 7.5  | 0.5 | C222E334-30****+++ |
| 0.47                   | 10.0     | 11.8     | 6.3      | 7.5  | 0.5 | C222E474-30****+++ |
| 0.68                   | 10.0     | 13.9     | 6.9      | 7.5  | 0.5 | C222E684-30****+++ |
| 1.0                    | 10.0     | 15.3     | 8.4      | 7.5  | 0.5 | C222E105-30****+++ |
| 0.33                   | 12.5     | 9.0      | 5.2      | 10.0 | 0.6 | C222E334-40****+++ |
| 0.47                   | 12.5     | 10.8     | 5.4      | 10.0 | 0.6 | C222E474-40****+++ |
| 0.68                   | 12.5     | 11.7     | 6.3      | 10.0 | 0.6 | C222E684-40****+++ |
| 1.0                    | 12.5     | 14.4     | 7.4      | 10.0 | 0.6 | C222E105-40****+++ |
| 1.5                    | 12.5     | 16.9     | 8.4      | 10.0 | 0.6 | C222E155-40****+++ |
| 2.2                    | 12.5     | 19.7     | 9.5      | 10.0 | 0.6 | C222E225-40****+++ |
| 0.47                   | 17.8     | 9.3      | 4.7      | 15.0 | 0.8 | C222E474-60****+++ |
| 0.68                   | 17.8     | 10.0     | 5.4      | 15.0 | 0.8 | C222E684-60****+++ |
| 1.0                    | 17.8     | 12.0     | 6.5      | 15.0 | 0.8 | C222E105-60****+++ |
| 1.5                    | 17.8     | 14.2     | 7.2      | 15.0 | 0.8 | C222E155-60****+++ |
| 2.2                    | 17.8     | 16.6     | 8.0      | 15.0 | 0.8 | C222E225-60****+++ |
| 3.3                    | 17.8     | 19.3     | 9.2      | 15.0 | 0.8 | C222E335-60****+++ |
| 4.7                    | 17.8     | 21.2     | 11.0     | 15.0 | 0.8 | C222E475-60****+++ |
| 1.0                    | 25.5     | 10.9     | 5.5      | 22.5 | 0.8 | C222E105-90****+++ |
| 1.5                    | 25.5     | 12.9     | 5.9      | 22.5 | 0.8 | C222E155-90****+++ |
| 2.2                    | 25.5     | 13.9     | 6.9      | 22.5 | 0.8 | C222E225-90****+++ |
| 3.3                    | 25.5     | 16.4     | 7.8      | 22.5 | 0.8 | C222E335-90****+++ |
| 4.7                    | 25.5     | 18.8     | 8.7      | 22.5 | 0.8 | C222E475-90****+++ |
| 6.8                    | 25.5     | 20.6     | 10.5     | 22.5 | 0.8 | C222E685-90****+++ |
| 10.0                   | 25.5     | 23.0     | 12.9     | 22.5 | 0.8 | C222E106-90****+++ |

| 400Vdc/450Vdc <sup>#</sup> |          |          |          |      |     |                    |
|----------------------------|----------|----------|----------|------|-----|--------------------|
| C <sub>N</sub><br>(μF)     | W<br>max | H<br>max | T<br>max | P    | d   | Part number        |
| 0.033                      | 10.0     | 7.1      | 4.0      | 7.5  | 0.5 | C222G333-30****+++ |
| 0.047                      | 10.0     | 7.1      | 4.0      | 7.5  | 0.5 | C222G473-30****+++ |
| 0.068                      | 10.0     | 8.0      | 4.4      | 7.5  | 0.5 | C222G683-30****+++ |
| 0.10                       | 10.0     | 9.7      | 5.1      | 7.5  | 0.5 | C222G104-30****+++ |
| 0.15                       | 10.0     | 10.6     | 6.0      | 7.5  | 0.5 | C222G154-30****+++ |
| 0.22                       | 10.3     | 12.1     | 6.7      | 7.5  | 0.5 | C222G224-30****+++ |
| 0.10                       | 12.5     | 9.1      | 4.4      | 10.0 | 0.6 | C222G104-40****+++ |
| 0.15                       | 12.5     | 9.7      | 5.1      | 10.0 | 0.6 | C222G154-40****+++ |
| 0.22                       | 12.5     | 11.1     | 5.7      | 10.0 | 0.6 | C222G224-40****+++ |
| 0.33                       | 12.5     | 13.2     | 6.2      | 10.0 | 0.6 | C222G334-40****+++ |
| 0.47                       | 12.5     | 15.4     | 6.8      | 10.0 | 0.6 | C222G474-40****+++ |
| 0.68                       | 12.5     | 16.8     | 8.2      | 10.0 | 0.6 | C222G684-40****+++ |
| 1.0                        | 12.5     | 19.6     | 9.4      | 10.0 | 0.6 | C222G105-40****+++ |
| 0.22                       | 17.8     | 10.3     | 4.9      | 15.0 | 0.8 | C222G224-60****+++ |
| 0.33                       | 17.8     | 11.1     | 5.7      | 15.0 | 0.8 | C222G334-60****+++ |
| 0.47                       | 17.8     | 13.1     | 6.1      | 15.0 | 0.8 | C222G474-60****+++ |
| 0.68                       | 17.8     | 15.3     | 6.8      | 15.0 | 0.8 | C222G684-60****+++ |
| 1.0                        | 17.8     | 17.2     | 8.7      | 15.0 | 0.8 | C222G105-60****+++ |
| 1.5                        | 17.8     | 20.1     | 10.0     | 15.0 | 0.8 | C222G155-60****+++ |
| 2.2                        | 17.8     | 22.3     | 12.2     | 15.0 | 0.8 | C222G225-60****+++ |
| 0.47                       | 25.5     | 11.3     | 5.9      | 22.5 | 0.8 | C222G474-90****+++ |
| 0.68                       | 25.5     | 13.3     | 6.3      | 22.5 | 0.8 | C222G684-90****+++ |
| 1.0                        | 25.5     | 14.4     | 7.4      | 22.5 | 0.8 | C222G105-90****+++ |
| 1.5                        | 25.5     | 16.9     | 8.3      | 22.5 | 0.8 | C222G155-90****+++ |
| 2.2                        | 25.5     | 19.6     | 9.5      | 22.5 | 0.8 | C222G225-90****+++ |
| 3.3                        | 25.5     | 21.8     | 11.7     | 22.5 | 0.8 | C222G335-90****+++ |

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



**C22**  
CL21X series

■ 外形尺寸 Dimensions ( mm )

| 520Vdc                 |          |          |          |      |     |                    |
|------------------------|----------|----------|----------|------|-----|--------------------|
| C <sub>N</sub><br>(μF) | W<br>max | H<br>max | T<br>max | P    | d   | Part number        |
| 0.022                  | 9.8      | 7.5      | 4.0      | 7.5  | 0.5 | C222T223-30****+++ |
| 0.033                  | 9.8      | 8.5      | 4.4      | 7.5  | 0.5 | C222T333-30****+++ |
| 0.047                  | 9.8      | 9.6      | 4.7      | 7.5  | 0.5 | C222T473-30****+++ |
| 0.068                  | 9.8      | 10.4     | 5.4      | 7.5  | 0.5 | C222T683-30****+++ |
| 0.068                  | 12.5     | 9.6      | 4.7      | 10.0 | 0.6 | C222T683-40****+++ |
| 0.10                   | 12.5     | 10.9     | 5.5      | 10.0 | 0.6 | C222T104-40****+++ |
| 0.15                   | 12.5     | 11.9     | 6.5      | 10.0 | 0.6 | C222T154-40****+++ |
| 0.22                   | 12.5     | 14.1     | 7.1      | 10.0 | 0.6 | C222T224-40****+++ |
| 0.33                   | 12.5     | 15.6     | 8.6      | 10.0 | 0.6 | C222T334-40****+++ |
| 0.10                   | 17.8     | 9.4      | 4.7      | 15.0 | 0.8 | C222T104-60****+++ |
| 0.15                   | 17.8     | 10.2     | 5.5      | 15.0 | 0.8 | C222T154-60****+++ |
| 0.22                   | 17.8     | 11.6     | 6.1      | 15.0 | 0.8 | C222T224-60****+++ |
| 0.33                   | 17.8     | 13.7     | 6.7      | 15.0 | 0.8 | C222T334-60****+++ |
| 0.47                   | 17.8     | 14.9     | 7.9      | 15.0 | 0.8 | C222T474-60****+++ |
| 0.68                   | 17.8     | 17.5     | 8.9      | 15.0 | 0.8 | C222T684-60****+++ |
| 1.0                    | 17.8     | 20.9     | 10.7     | 15.0 | 0.8 | C222T105-60****+++ |
| 1.5                    | 17.8     | 23.4     | 13.2     | 15.0 | 0.8 | C222T155-60****+++ |
| 0.33                   | 25.5     | 12.4     | 5.4      | 22.5 | 0.8 | C222T334-90****+++ |
| 0.47                   | 25.5     | 13.3     | 6.3      | 22.5 | 0.8 | C222T474-90****+++ |
| 0.68                   | 25.5     | 15.5     | 7.0      | 22.5 | 0.8 | C222T684-90****+++ |
| 1.0                    | 25.5     | 18.5     | 8.4      | 22.5 | 0.8 | C222T105-90****+++ |
| 1.5                    | 25.5     | 20.4     | 10.3     | 22.5 | 0.8 | C222T155-90****+++ |
| 2.2                    | 25.5     | 22.6     | 12.5     | 22.5 | 0.8 | C222T225-90****+++ |

| 630Vdc                 |          |          |          |      |     |                    |
|------------------------|----------|----------|----------|------|-----|--------------------|
| C <sub>N</sub><br>(μF) | W<br>max | H<br>max | T<br>max | P    | d   | Part number        |
| 0.010                  | 9.8      | 7.6      | 4.1      | 7.5  | 0.5 | C222J103-30****+++ |
| 0.015                  | 9.8      | 7.6      | 4.1      | 7.5  | 0.5 | C222J153-30****+++ |
| 0.022                  | 9.8      | 8.1      | 4.6      | 7.5  | 0.5 | C222J223-30****+++ |
| 0.033                  | 9.8      | 9.2      | 5.1      | 7.5  | 0.5 | C222J333-30****+++ |
| 0.047                  | 9.8      | 10.5     | 5.5      | 7.5  | 0.5 | C222J473-30****+++ |
| 0.068                  | 9.8      | 11.9     | 6.2      | 7.5  | 0.5 | C222J683-30****+++ |
| 0.10                   | 9.8      | 13.1     | 7.7      | 7.5  | 0.5 | C222J104-30****+++ |
| 0.047                  | 12.5     | 9.6      | 4.6      | 10.0 | 0.6 | C222J473-40****+++ |
| 0.068                  | 12.5     | 10.3     | 5.3      | 10.0 | 0.6 | C222J683-40****+++ |
| 0.10                   | 12.5     | 11.2     | 6.5      | 10.0 | 0.6 | C222J104-40****+++ |
| 0.15                   | 12.5     | 13.9     | 6.9      | 10.0 | 0.6 | C222J154-40****+++ |
| 0.22                   | 12.5     | 15.3     | 8.3      | 10.0 | 0.6 | C222J224-40****+++ |
| 0.10                   | 17.8     | 10.6     | 5.1      | 15.0 | 0.8 | C222J104-60****+++ |
| 0.15                   | 17.8     | 12.5     | 5.5      | 15.0 | 0.8 | C222J154-60****+++ |
| 0.22                   | 17.8     | 13.5     | 6.5      | 15.0 | 0.8 | C222J224-60****+++ |
| 0.33                   | 17.8     | 14.8     | 7.8      | 15.0 | 0.8 | C222J334-60****+++ |
| 0.47                   | 17.8     | 16.3     | 9.2      | 15.0 | 0.8 | C222J474-60****+++ |
| 0.68                   | 17.8     | 19.1     | 10.4     | 15.0 | 0.8 | C222J684-60****+++ |
| 1.0                    | 17.8     | 22.8     | 12.6     | 15.0 | 0.8 | C222J105-60****+++ |
| 1.5                    | 17.8     | 25.8     | 15.6     | 15.0 | 0.8 | C222J155-60****+++ |
| 0.22                   | 25.5     | 11.2     | 5.7      | 22.5 | 0.8 | C222J224-90****+++ |
| 0.33                   | 25.5     | 12.2     | 6.7      | 22.5 | 0.8 | C222J334-90****+++ |
| 0.47                   | 25.5     | 14.3     | 7.3      | 22.5 | 0.8 | C222J474-90****+++ |
| 0.68                   | 25.5     | 15.7     | 8.7      | 22.5 | 0.8 | C222J684-90****+++ |
| 1.0                    | 25.5     | 20.0     | 9.8      | 22.5 | 0.8 | C222J105-90****+++ |
| 1.5                    | 25.5     | 22.2     | 12.1     | 22.5 | 0.8 | C222J155-90****+++ |
| 2.2                    | 25.5     | 24.9     | 14.8     | 22.5 | 0.8 | C222J225-90****+++ |

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

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