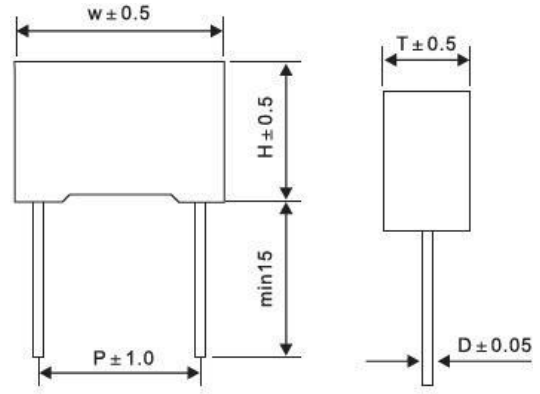
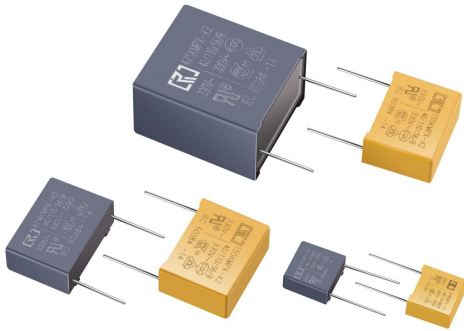


## MPX-X1



### ■ 特性 Features

金属化聚丙烯膜，无感卷绕结构；

自愈性能优异，能承受过压冲击；

优异的阻燃、防潮性能

Metallized polypropylene film, using non-inductive wound construction;

With excellent self-healing properties, with high over-voltage capability;

Good heat resistant capabilities and resistance to humidity for use in harsh environments.

### ■ 用 APPLICATION

广泛用于电源跨线线路等抗干扰场合；

用于与电源串联的电容降压电路场合

Widely used in across-the-line, interference suppression circuit;

Used in RC step-down circuits when in series connection with power supplies.

### ■ 性能参数 Technical data

| 项目 Item                                     | 性能 Performance Characteristics                           |                                     |
|---------------------------------------------|----------------------------------------------------------|-------------------------------------|
| 使用温度范围<br>Operating Temperature range       | -40 +105℃                                                |                                     |
| 贮存温度范围<br>Storage Temperature range         | -40 +105℃                                                |                                     |
| 额定电压<br>Rated Voltage Range                 | 275~330VAC                                               |                                     |
| 额定容量<br>Rated Capacity                      | 0.001~10 μ F                                             |                                     |
| 静电容量范围<br>Capacitance Tolerance             | ± 5% ( J ) / ± 10% ( K )                                 |                                     |
| 介质损耗 ( tanδ )<br>Dissipation Factor (tan δ) | ≤0.0015 at 20°C, 1K Hz                                   |                                     |
| 耐电压<br>Voltage Proof                        | 极间 V <sub>tt</sub>                                       | 4.3U <sub>n</sub> (10S, 20°C ± 5°C) |
|                                             | 极壳 V <sub>t-c</sub>                                      | ---                                 |
| 杂散电感<br>ESL                                 | ≤30nH                                                    |                                     |
| 绝缘电阻<br>IR                                  | ≥5000s at 100VDC/60S                                     |                                     |
| 耐久性试验<br>Endurance                          | 测试条件: 温度 110°C ± 3°C; 施加额定电压U <sub>n</sub> ; 试验时间 1000h. |                                     |
|                                             | 静电容量变化 Capacitance change                                | ΔC/C <sub>0</sub>   ≤10%            |
|                                             | 损耗角正切 D. F. (Tan δ)                                      | Δtanδ ≤ 1.2tanδ + 0.0001            |
| 预期寿命<br>Life                                | 100000h (可参考寿命曲线图)                                       |                                     |



# MPX-X1

| CN $\mu$ F | 外形尺寸 mm |    |   | P (mm) | Part Number |
|------------|---------|----|---|--------|-------------|
|            | W       | H  | T |        |             |
| 0.001      | 10.5    | 9  | 4 | 7.5    |             |
| 0.0012     | 10.5    | 9  | 4 | 7.5    |             |
| 0.0015     | 10.5    | 9  | 4 | 7.5    |             |
| 0.0018     | 10.5    | 9  | 4 | 7.5    |             |
| 0.0022     | 10.5    | 9  | 4 | 7.5    |             |
| 0.0027     | 10.5    | 9  | 4 | 7.5    |             |
| 0.0033     | 10.5    | 9  | 4 | 7.5    |             |
| 0.0039     | 10.5    | 9  | 4 | 7.5    |             |
| 0.0047     | 10.5    | 9  | 4 | 7.5    |             |
| 0.0056     | 10.5    | 9  | 4 | 7.5    |             |
| 0.0068     | 10.5    | 11 | 5 | 7.5    |             |
| 0.0082     | 10.5    | 11 | 5 | 7.5    |             |
| 0.01       | 10.5    | 11 | 5 | 7.5    |             |
| 0.01       | 9       | 13 | 4 | 10     |             |
| 0.01       | 18      | 11 | 5 | 15     |             |
| 0.012      | 10.5    | 12 | 6 | 7.5    |             |
| 0.012      | 13      | 11 | 5 | 10     |             |
| 0.012      | 18      | 11 | 5 | 15     |             |
| 0.015      | 10.5    | 12 | 6 | 7.5    |             |
| 0.015      | 13      | 11 | 5 | 10     |             |
| 0.015      | 18      | 11 | 5 | 15     |             |
| 0.018      | 13      | 11 | 5 | 10     |             |
| 0.018      | 18      | 11 | 5 | 15     |             |
| 0.022      | 13      | 11 | 5 | 10     |             |
| 0.022      | 18      | 11 | 5 | 15     |             |
| 0.027      | 13      | 12 | 6 | 10     |             |
| 0.027      | 18      | 11 | 6 | 15     |             |
| 0.033      | 13      | 12 | 6 | 10     |             |

| CN $\mu$ F | 外形尺寸 mm |    |   | P (mm) | Part Number |
|------------|---------|----|---|--------|-------------|
|            | W       | H  | T |        |             |
| 0.033      | 18      | 11 | 5 | 15     |             |
| 0.039      | 13      | 12 | 6 | 10     |             |
| 0.039      | 18      | 12 | 6 | 15     |             |
| 0.039      | 26.5    | 15 | 6 | 22.5   |             |
| 0.047      | 13      | 12 | 6 | 10     |             |
| 0.047      | 18      | 12 | 6 | 15     |             |
| 0.047      | 26.5    | 15 | 5 | 22.5   |             |
| 0.056      | 13      | 14 | 8 | 10     |             |
| 0.056      | 18      | 12 | 6 | 15     |             |

|       |      |      |      |      |  |
|-------|------|------|------|------|--|
| 0.056 | 26.5 | 15   | 6    | 22.5 |  |
| 0.068 | 18   | 13.5 | 7.5  | 15   |  |
| 0.068 | 26.5 | 15   | 6    | 22.5 |  |
| 0.082 | 18   | 13.5 | 7.5  | 15   |  |
| 0.082 | 26.5 | 15   | 6    | 22.5 |  |
| 0.1   | 18   | 14.5 | 8.5  | 15   |  |
| 0.1   | 26.5 | 15   | 6    | 22.5 |  |
| 0.12  | 18   | 16   | 10   | 15   |  |
| 0.12  | 26.5 | 15   | 6    | 22.5 |  |
| 0.15  | 18   | 19   | 11   | 15   |  |
| 0.15  | 26.5 | 16.5 | 7    | 22.5 |  |
| 0.15  | 32   | 18   | 9    | 27.5 |  |
| 0.18  | 18   | 19   | 11   | 15   |  |
| 0.18  | 26.5 | 17   | 8.5  | 22.5 |  |
| 0.18  | 32   | 18   | 9    | 27.5 |  |
| 0.22  | 26.5 | 17   | 8.5  | 22.5 |  |
| 0.22  | 32   | 18   | 9    | 27.5 |  |
| 0.27  | 26.5 | 19   | 10   | 22.5 |  |
| 0.27  | 32   | 18   | 9    | 27.5 |  |
| 0.33  | 26.5 | 20   | 11   | 22.5 |  |
| 0.33  | 32   | 18   | 9    | 27.5 |  |
| 0.39  | 26.5 | 20   | 11   | 22.5 |  |
| 0.39  | 32   | 20   | 11   | 27.5 |  |
| 0.47  | 26.5 | 22   | 12   | 22.5 |  |
| 0.47  | 32   | 20   | 11   | 27.5 |  |
| 0.56  | 26.5 | 25   | 16.5 | 22.5 |  |
| 0.56  | 32   | 22   | 13   | 27.5 |  |
| 0.68  | 26.5 | 25   | 16.5 | 22.5 |  |

| CN $\mu$ F | 外形尺寸 mm |    |      | P (mm) | Part Number |
|------------|---------|----|------|--------|-------------|
|            | W       | H  | T    |        |             |
| 0.68       | 32      | 22 | 13   | 27.5   |             |
| 0.82       | 31      | 25 | 14   | 27.5   |             |
| 0.82       | 41      | 26 | 15   | 37.5   |             |
| 1          | 32      | 30 | 15   | 27.5   |             |
| 1          | 41      | 26 | 15   | 37.5   |             |
| 1.2        | 32      | 28 | 18   | 27.5   |             |
| 1.2        | 41      | 26 | 15   | 37.5   |             |
| 1.5        | 32      | 28 | 18   | 27.5   |             |
| 1.5        | 41      | 16 | 15   | 37.5   |             |
| 1.8        | 32      | 37 | 22   | 27.5   |             |
| 1.8        | 42.5    | 28 | 17   | 37.5   |             |
| 2.2        | 32      | 37 | 22   | 27.5   |             |
| 2.2        | 42.5    | 28 | 17   | 37.5   |             |
| 2.7        | 41.5    | 37 | 22   | 37.5   |             |
| 3.3        | 42.5    | 37 | 28   | 37.5   |             |
| 3.3        | 41.5    | 41 | 27.5 | 37.5   |             |



## MPX-X1

|     |      |    |      |      |  |
|-----|------|----|------|------|--|
| 3.9 | 41   | 37 | 28   | 37.5 |  |
| 3.9 | 41.5 | 41 | 27.5 | 37.5 |  |
| 4.7 | 42.5 | 45 | 33   | 37.5 |  |
| 5.6 | 57.5 | 45 | 30   | 52.5 |  |
| 6.8 | 57.5 | 45 | 30   | 52.5 |  |
| 8.2 | 57.5 | 50 | 30   | 52.5 |  |
| 10  | 57.5 | 50 | 35   | 52.5 |  |