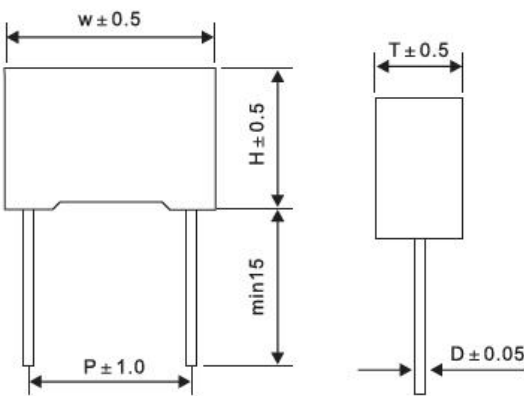
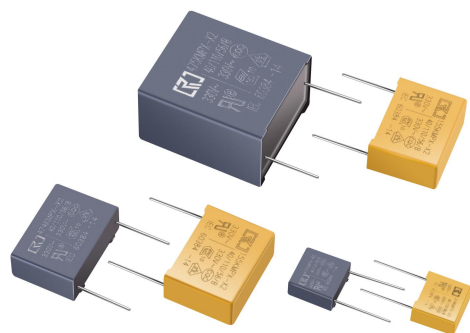




# MPX-X1



■ 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                 | 400VAC                                                |                                |
| 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℃, 1K Hz                                 |                                |
| 耐电压<br>Voltage Proof                        | 极间 V <sub>t-t</sub>                                   | 1.5U <sub>n</sub> (10S,20℃±5℃) |
|                                             | 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 85℃ ±3℃; 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-X2

Pitch=7.5

| CN $\mu$ F | 外形尺寸 mm |    |  | P (mm) | Part Number |
|------------|---------|----|--|--------|-------------|
|            |         |    |  |        |             |
| 0.001      |         |    |  | 7.5    |             |
| 0.0012     |         |    |  | 7.5    |             |
| 0.0015     |         |    |  | 7.5    |             |
| 0.0018     |         |    |  | 7.5    |             |
| 0.0022     |         |    |  | 7.5    |             |
| 0.0027     |         |    |  | 7.5    |             |
| 0.0033     |         |    |  | 7.5    |             |
| 0.0039     |         |    |  | 7.5    |             |
| 0.0047     |         |    |  | 7.5    |             |
| 0.0056     |         |    |  | 7.5    |             |
| 0.0068     |         |    |  | 7.5    |             |
| 0.0082     |         |    |  | 7.5    |             |
| 0.01       |         |    |  | 7.5    |             |
| 0.01       |         |    |  | 7.5    |             |
| 0.012      |         |    |  | 7.5    |             |
| 0.012      |         |    |  | 7.5    |             |
| 0.015      |         |    |  | 7.5    |             |
| 0.015      |         | 11 |  | 7.5    |             |
| 0.018      |         | 9  |  | 7.5    |             |
| 0.018      |         | 12 |  | 7.5    |             |
| 0.022      |         | 11 |  | 7.5    |             |
| 0.022      |         | 12 |  | 7.5    |             |
| 0.027      |         | 12 |  | 7.5    |             |
| 0.027      |         | 12 |  | 7.5    |             |
| 0.033      |         | 12 |  | 7.5    |             |
| 0.039      |         | 12 |  | 7.5    |             |
| 0.047      |         | 12 |  | 7.5    |             |

Pitch=10

| CN $\mu$ F | 外形尺寸 mm |    |   | P (mm) | Part Number |
|------------|---------|----|---|--------|-------------|
|            | W       | H  | T |        |             |
| 0.0047     | 13      | 9  | 4 | 10     |             |
| 0.0056     | 13      | 9  | 4 | 10     |             |
| 0.0068     | 13      | 9  | 4 | 10     |             |
| 0.0082     | 13      | 9  | 4 | 10     |             |
| 0.01       | 13      | 9  | 4 | 10     |             |
| 0.01       | 13      | 11 | 5 | 10     |             |
| 0.012      | 13      | 9  | 4 | 10     |             |
| 0.012      | 13      | 11 | 5 | 10     |             |
| 0.015      | 13      | 9  | 4 | 10     |             |

|       |    |    |   |    |  |
|-------|----|----|---|----|--|
| 0.015 | 13 | 11 | 5 | 10 |  |
| 0.018 | 13 | 9  | 4 | 10 |  |
| 0.018 | 13 | 11 | 5 | 10 |  |
| 0.018 | 13 | 12 | 6 | 10 |  |
| 0.022 | 13 | 9  | 4 | 10 |  |
| 0.022 | 13 | 11 | 5 | 10 |  |
| 0.022 | 13 | 12 | 6 | 10 |  |
| 0.027 | 13 | 9  | 4 | 10 |  |
| 0.027 | 13 | 11 | 5 | 10 |  |
| 0.027 | 13 | 12 | 6 | 10 |  |
| 0.033 | 13 | 11 | 5 | 10 |  |
| 0.033 | 13 | 12 | 6 | 10 |  |
| 0.039 | 13 | 11 | 5 | 10 |  |
| 0.039 | 13 | 12 | 6 | 10 |  |
| 0.047 | 13 | 11 | 5 | 10 |  |
| 0.047 | 13 | 12 | 6 | 10 |  |
| 0.047 | 13 | 13 | 7 | 10 |  |
| 0.056 | 13 | 12 | 6 | 10 |  |
| 0.056 | 13 | 13 | 7 | 10 |  |
| 0.056 | 13 | 14 | 8 | 10 |  |
| 0.068 | 13 | 12 | 6 | 10 |  |
| 0.068 | 13 | 13 | 7 | 10 |  |
| 0.068 | 13 | 14 | 8 | 10 |  |
| 0.082 | 13 | 13 | 7 | 10 |  |
| 0.082 | 13 | 14 | 8 | 10 |  |
| 0.1   | 13 | 13 | 7 | 10 |  |
| 0.1   | 13 | 14 | 8 | 10 |  |
| 0.12  | 13 | 14 | 8 | 10 |  |

Pitch=15

| CN $\mu$ F | 外形尺寸 mm |    |   | P (mm) | Part Number |
|------------|---------|----|---|--------|-------------|
|            | W       | H  | T |        |             |
| 0.01       | 18      | 11 | 5 | 15     |             |
| 0.012      | 18      | 11 | 5 | 15     |             |
| 0.015      | 18      | 11 | 5 | 15     |             |
| 0.018      | 18      | 11 | 5 | 15     |             |
| 0.022      | 18      | 11 | 5 | 15     |             |
| 0.027      | 18      | 11 | 5 | 15     |             |
| 0.033      | 18      | 11 | 5 | 15     |             |
| 0.033      | 18      | 12 | 6 | 15     |             |
| 0.039      | 18      | 11 | 5 | 15     |             |
| 0.039      | 18      | 12 | 6 | 15     |             |
| 0.047      | 18      | 11 | 5 | 15     |             |
| 0.047      | 18      | 12 | 6 | 15     |             |
| 0.056      | 18      | 11 | 5 | 15     |             |
| 0.056      | 18      | 12 | 6 | 15     |             |
| 0.068      | 18      | 11 | 5 | 15     |             |
| 0.068      | 18      | 12 | 6 | 15     |             |



|               |    |      |     |    |  |
|---------------|----|------|-----|----|--|
| 0.082         | 18 | 11   | 5   | 15 |  |
| <b>MPX-X2</b> |    |      |     |    |  |
| 0.082         | 18 | 12   | 6   | 15 |  |
| 0.1           | 18 | 11   | 5   | 15 |  |
| 0.1           | 18 | 12   | 6   | 15 |  |
| 0.12          | 18 | 12   | 6   | 15 |  |
| 0.15          | 18 | 12   | 6   | 15 |  |
| 0.15          | 18 | 13.5 | 7.5 | 15 |  |
| 0.18          | 18 | 13.5 | 7.5 | 15 |  |
| 0.18          | 18 | 14.5 | 8.5 | 15 |  |
| 0.22          | 18 | 13.5 | 7.5 | 15 |  |
| 0.22          | 18 | 14.5 | 8.5 | 15 |  |
| 0.27          | 18 | 14.5 | 8.5 | 15 |  |
| 0.27          | 18 | 16   | 10  | 15 |  |
| 0.33          | 18 | 16   | 10  | 15 |  |
| 0.33          | 18 | 19   | 11  | 15 |  |
| 0.39          | 18 | 16   | 10  | 15 |  |
| 0.39          | 18 | 19   | 11  | 15 |  |
| 0.47          | 18 | 19   | 11  | 15 |  |
| 0.56          | 18 | 19   | 11  | 15 |  |

|     |      |      |      |      |  |
|-----|------|------|------|------|--|
| 1   | 26.5 | 29.5 | 14.5 | 22.5 |  |
| 1.2 | 26.5 | 22   | 12   | 22.5 |  |
| 1.2 | 26.5 | 29.5 | 14.5 | 22.5 |  |
| 1.5 | 26.5 | 29.5 | 14.5 | 22.5 |  |
| 1.8 | 26.5 | 29.5 | 14.5 | 22.5 |  |
| 2.2 | 26.5 | 29.5 | 14.5 | 22.5 |  |

| Pitch=27.5 |         |    |    |        |             |
|------------|---------|----|----|--------|-------------|
| CN $\mu$ F | 外形尺寸 mm |    |    | P (mm) | Part Number |
|            | W       | H  | T  |        |             |
| 0.39       | 32      | 18 | 9  | 27.5   |             |
| 0.47       | 32      | 18 | 9  | 27.5   |             |
| 0.56       | 32      | 18 | 9  | 27.5   |             |
| 0.68       | 32      | 18 | 9  | 27.5   |             |
| 0.68       | 32      | 20 | 11 | 27.5   |             |
| 0.82       | 32      | 18 | 9  | 27.5   |             |
| 0.8        | 32      | 20 | 11 | 27.5   |             |
| 1          | 32      | 20 | 11 | 27.5   |             |
| 1          | 32      | 22 | 13 | 27.5   |             |
| 1.2        | 32      | 20 | 11 | 27.5   |             |
| 1.2        | 32      | 22 | 13 | 27.5   |             |
| 1.5        | 32      | 22 | 13 | 27.5   |             |
| 1.5        | 32      | 25 | 14 | 27.5   |             |
| 1.8        | 32      | 25 | 14 | 27.5   |             |
| 1.8        | 32      | 28 | 14 | 27.5   |             |
| 1.8        | 32      | 28 | 18 | 27.5   |             |
| 2.2        | 32      | 28 | 14 | 27.5   |             |
| 2.2        | 32      | 28 | 18 | 27.5   |             |
| 2.7        | 32      | 28 | 18 | 27.5   |             |
| 2.7        | 32      | 33 | 18 | 27.5   |             |
| 3.3        | 32      | 28 | 18 | 27.5   |             |
| 3.3        | 32      | 37 | 22 | 27.5   |             |
| 3.9        | 32      | 33 | 18 | 27.5   |             |
| 3.9        | 32      | 37 | 22 | 27.5   |             |
| 4.7        | 32      | 37 | 22 | 27.5   |             |
| 5.6        | 32      | 37 | 22 | 27.5   |             |

| Pitch=37.5 |         |    |    |        |             |
|------------|---------|----|----|--------|-------------|
| CN $\mu$ F | 外形尺寸 mm |    |    | P (mm) | Part Number |
|            | W       | H  | T  |        |             |
| 1.5        | 41      | 22 | 11 | 37.5   |             |
| 1.5        | 41      | 24 | 13 | 37.5   |             |
| 1.8        | 41      | 22 | 11 | 37.5   |             |
| 1.8        | 41      | 24 | 13 | 37.5   |             |
| 2.2        | 41      | 24 | 13 | 37.5   |             |
| 2.2        | 41      | 26 | 15 | 37.5   |             |
| 2.7        | 41      | 24 | 13 | 37.5   |             |

| Pitch=22.5 |         |      |     |        |             |
|------------|---------|------|-----|--------|-------------|
| CN $\mu$ F | 外形尺寸 mm |      |     | P (mm) | Part Number |
|            | W       | H    | T   |        |             |
| 0.15       | 26.5    | 15   | 6   | 22.5   |             |
| 0.18       | 26.5    | 15   | 6   | 22.5   |             |
| 0.22       | 26.5    | 15   | 6   | 22.5   |             |
| 0.22       | 26.5    | 16.5 | 7   | 22.5   |             |
| 0.27       | 26.5    | 15   | 6   | 22.5   |             |
| 0.27       | 26.5    | 16.5 | 7   | 22.5   |             |
| 0.33       | 26.5    | 16.5 | 7   | 22.5   |             |
| 0.33       | 26.5    | 17   | 8.5 | 22.5   |             |
| 0.39       | 26.5    | 16.5 | 7   | 22.5   |             |
| 0.39       | 26.5    | 17   | 8.5 | 22.5   |             |
| 0.39       | 26.5    | 19   | 10  | 22.5   |             |
| 0.47       | 26.5    | 17   | 8.5 | 22.5   |             |
| 0.47       | 26.5    | 19   | 10  | 22.5   |             |
| 0.56       | 26.5    | 17   | 8.5 | 22.5   |             |
| 0.56       | 26.5    | 19   | 10  | 22.5   |             |
| 0.68       | 26.5    | 19   | 10  | 22.5   |             |
| 0.68       | 26.5    | 20   | 11  | 22.5   |             |
| 0.82       | 26.5    | 19   | 10  | 22.5   |             |
| 0.82       | 26.5    | 22   | 12  | 22.5   |             |
| 1          | 26.5    | 20   | 11  | 22.5   |             |



|     |      |    |    |      |  |
|-----|------|----|----|------|--|
| 3.3 | 41   | 26 | 15 | 37.5 |  |
| 3.3 | 42.5 | 28 | 17 | 37.5 |  |
| 3.9 | 42.5 | 28 | 17 | 37.5 |  |
| 3.9 | 41.5 | 35 | 19 | 37.5 |  |
| 4.7 | 42.5 | 28 | 17 | 37.5 |  |

## MKP-X2

|     |      |    |    |      |  |
|-----|------|----|----|------|--|
| 4.7 | 41   | 36 | 22 | 37.5 |  |
| 5.6 | 41.5 | 35 | 19 | 37.5 |  |
| 5.6 | 41   | 37 | 22 | 37.5 |  |
| 6.8 | 41   | 37 | 22 | 37.5 |  |
| 6.8 | 41   | 41 | 26 | 37.5 |  |
| 8.2 | 41   | 37 | 22 | 37.5 |  |
| 8.2 | 41   | 41 | 26 | 37.5 |  |
| 10  | 41   | 41 | 26 | 37.5 |  |
| 10  | 42   | 45 | 30 | 37.5 |  |
|     |      |    |    |      |  |

Pitch=57.5

| CN $\mu$ F | 外形尺寸 mm |    |    | P (mm) | Part Number |
|------------|---------|----|----|--------|-------------|
|            | W       | H  | T  |        |             |
| 8.2        | 57.5    | 45 | 30 | 52.5   |             |
| 10         | 57.5    | 50 | 35 | 52.5   |             |