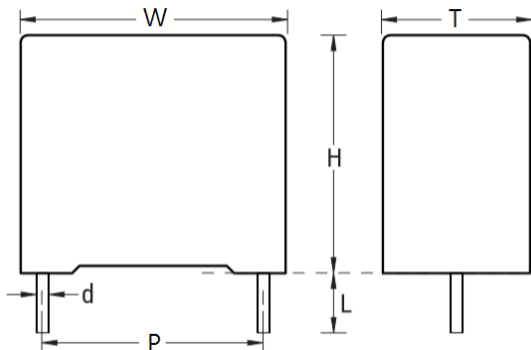


# 雙面金屬化聚丙烯膜電容器 (盒裝型) - SMMC series



## Double Sided Metallized Polypropylene Film Capacitor (Boxed)

### ■ 外形圖 Outline Drawing



### ■ 典型應用 Typical Applications

廣泛應用於高壓、高頻和脈衝電路  
電子鎮流器和緊湊型燈具  
緩衝器和可控硅整流電路

Widely used in high voltage, frequency and pulse circuit  
Electronic ballasts and compact lamps  
Snubber and SCR commutating circuits

### ■ 特徵 Features

延長的雙面金屬化聚酯膜電極，  
帶金屬化聚丙烯電介質內部串聯連接  
UL 94 V-0 塑料外殼，填充熱固性樹脂

Extended double metallised polyester electrodes  
with metallised polypropylene dielectric internal  
series connection  
UL 94 V-0 plastic case with thermosetting resin-fill

### ■ 規格 Specifications

|                                      |                                                                                       |      |      |                                                                                               |       |       |
|--------------------------------------|---------------------------------------------------------------------------------------|------|------|-----------------------------------------------------------------------------------------------|-------|-------|
| 參考標準 Reference Standard              | GB/T 10190 (IEC 60384-16)                                                             |      |      |                                                                                               |       |       |
| 氣候類別 Climatic Category               | 40/105/21                                                                             |      |      |                                                                                               |       |       |
| 額定溫度 Rated Temperature               | 85°C                                                                                  |      |      |                                                                                               |       |       |
| 工作溫度範圍 Operating Temperature Range   | -40°C~+105°C<br>(+85°C to +105°C: decreasing factor 1.25% per °C for U <sub>R</sub> ) |      |      |                                                                                               |       |       |
| 容值範圍 Capacitance Range               | 0.00022μF ~ 3.9μF                                                                     |      |      |                                                                                               |       |       |
| 額定直流電壓 Rated (DC) Voltage            | 250V                                                                                  | 400V | 630V | 1000V                                                                                         | 1600V | 2000V |
| 連續交流電壓 Maximum continuous AC voltage | 180V                                                                                  | 250V | 400V | 600V                                                                                          | 650V  | 700V  |
| 容值公差 Capacitance Tolerance           | ±3%(H)、±5%(J)、±10%(K)                                                                 |      |      |                                                                                               |       |       |
| 耐電壓 Voltage Proof                    | U <sub>R</sub> × 1.6, 5s (DC)                                                         |      |      |                                                                                               |       |       |
| 損耗因素 Dissipation Factor              | ≤ 10 × 10 <sup>-4</sup> at 1kHz, (1Vrms Max. at 20°C)                                 |      |      |                                                                                               |       |       |
| 絕緣電阻 Insulation Resistance           | U <sub>R</sub> < 500V, 100Vdc<br>U <sub>R</sub> > 500V, 500Vdc                        |      |      | C <sub>R</sub> ≤ 0.33μF, IR ≥ 25000MΩ<br>C <sub>R</sub> > 0.33μF, IR × C <sub>R</sub> ≥ 7500s |       |       |

## Double Sided Metallized Polypropylene Film Capacitor (Boxed)

### ■ 尺寸 Dimensions (mm)

| 250Vdc (180Vac) |    |      |     |     |     |                     |
|-----------------|----|------|-----|-----|-----|---------------------|
| Cap.<br>μF      | W  | H    | T   | P   | d   | Part number         |
| 0.0068          | 10 | 9    | 4   | 7.5 | 0.6 | SMMC_682+0250D*08** |
| 0.0082          | 10 | 9    | 4   | 7.5 | 0.6 | SMMC_822+0250D*08** |
| 0.010           | 10 | 9    | 4   | 7.5 | 0.6 | SMMC_103+0250D*08** |
| 0.012           | 10 | 9    | 4   | 7.5 | 0.6 | SMMC_123+0250D*08** |
| 0.015           | 10 | 9    | 4   | 7.5 | 0.6 | SMMC_153+0250D*08** |
| 0.018           | 10 | 9    | 4   | 7.5 | 0.6 | SMMC_183+0250D*08** |
| 0.022           | 10 | 9    | 4   | 7.5 | 0.6 | SMMC_223+0250D*08** |
| 0.027           | 10 | 11   | 5   | 7.5 | 0.6 | SMMC_273+0250D*08** |
| 0.033           | 10 | 11   | 5   | 7.5 | 0.6 | SMMC_333+0250D*08** |
| 0.039           | 10 | 12   | 6   | 7.5 | 0.6 | SMMC_393+0250D*08** |
| 0.047           | 10 | 12   | 6   | 7.5 | 0.6 | SMMC_473+0250D*08** |
| 0.027           | 13 | 9    | 4   | 10  | 0.6 | SMMC_273+0250D*10** |
| 0.033           | 13 | 9    | 4   | 10  | 0.6 | SMMC_333+0250D*10** |
| 0.039           | 13 | 9    | 4   | 10  | 0.6 | SMMC_393+0250D*10** |
| 0.047           | 13 | 11   | 5   | 10  | 0.6 | SMMC_473+0250D*10** |
| 0.056           | 13 | 11   | 5   | 10  | 0.6 | SMMC_563+0250D*10** |
| 0.068           | 13 | 12   | 6   | 10  | 0.6 | SMMC_683+0250D*10** |
| 0.082           | 13 | 12   | 6   | 10  | 0.6 | SMMC_823+0250D*10** |
| 0.068           | 18 | 11   | 5   | 15  | 0.8 | SMMC_683+0250D*15** |
| 0.082           | 18 | 11   | 5   | 15  | 0.8 | SMMC_823+0250D*15** |
| 0.10            | 18 | 11   | 5   | 15  | 0.8 | SMMC_104+0250D*15** |
| 0.12            | 18 | 12   | 6   | 15  | 0.8 | SMMC_124+0250D*15** |
| 0.15            | 18 | 12   | 6   | 15  | 0.8 | SMMC_154+0250D*15** |
| 0.18            | 18 | 13.5 | 7.5 | 15  | 0.8 | SMMC_184+0250D*15** |
| 0.22            | 18 | 13.5 | 7.5 | 15  | 0.8 | SMMC_224+0250D*15** |
| 0.27            | 18 | 14.5 | 8.5 | 15  | 0.8 | SMMC_274+0250D*15** |
| 0.33            | 18 | 15.5 | 9.5 | 15  | 0.8 | SMMC_334+0250D*15** |
| 0.39            | 18 | 15.5 | 9.5 | 15  | 0.8 | SMMC_394+0250D*15** |

| 250Vdc (180Vac) |      |      |      |      |     |                     |
|-----------------|------|------|------|------|-----|---------------------|
| Cap.<br>μF      | W    | H    | T    | P    | d   | Part number         |
| 0.22            | 26.5 | 15   | 6    | 22.5 | 0.8 | SMMC_224+0250D*23** |
| 0.27            | 26.5 | 15   | 6    | 22.5 | 0.8 | SMMC_274+0250D*23** |
| 0.33            | 26.5 | 15   | 6    | 22.5 | 0.8 | SMMC_334+0250D*23** |
| 0.39            | 26.5 | 16.5 | 7    | 22.5 | 0.8 | SMMC_394+0250D*23** |
| 0.47            | 26.5 | 16.5 | 7    | 22.5 | 0.8 | SMMC_474+0250D*23** |
| 0.56            | 26.5 | 17   | 8.5  | 22.5 | 0.8 | SMMC_564+0250D*23** |
| 0.68            | 26.5 | 19   | 10   | 22.5 | 0.8 | SMMC_684+0250D*23** |
| 0.82            | 26.5 | 19   | 10   | 22.5 | 0.8 | SMMC_824+0250D*23** |
| 1.0             | 26   | 21.5 | 12   | 22.5 | 0.8 | SMMC_105+0250D*23** |
| 0.82            | 31   | 18   | 9    | 27.5 | 0.8 | SMMC_824+0250D*28** |
| 1.0             | 31.5 | 19.5 | 10.8 | 27.5 | 0.8 | SMMC_105+0250D*28** |
| 1.2             | 31.5 | 19.5 | 10.8 | 27.5 | 0.8 | SMMC_125+0250D*28** |
| 1.5             | 31.5 | 21.6 | 13   | 27.5 | 0.8 | SMMC_155+0250D*28** |
| 1.8             | 31   | 25   | 14   | 27.5 | 0.8 | SMMC_185+0250D*28** |
| 2.2             | 31   | 25   | 14   | 27.5 | 0.8 | SMMC_225+0250D*28** |
| 2.7             | 32   | 33   | 18   | 27.5 | 0.8 | SMMC_275+0250D*28** |
| 3.3             | 32   | 33   | 18   | 27.5 | 0.8 | SMMC_335+0250D*28** |
| 3.9             | 32   | 33   | 18   | 27.5 | 0.8 | SMMC_395+0250D*28** |

(1) The symbol + means capacitance tolerance (J=±5%, K=±10%)

(2) The symbol \* means style of lead forming

(3) The symbol \*\* means the lead length

## Double Sided Metallized Polypropylene Film Capacitor (Boxed)

### ■ 尺寸 Dimensions (mm)

| 400Vdc (250Vac) |    |      |     |     |     |                     |
|-----------------|----|------|-----|-----|-----|---------------------|
| Cap.<br>μF      | W  | H    | T   | P   | d   | Part number         |
| 0.0027          | 10 | 9    | 4   | 7.5 | 0.6 | SMMC_272+0400D*08** |
| 0.0033          | 10 | 9    | 4   | 7.5 | 0.6 | SMMC_332+0400D*08** |
| 0.0039          | 10 | 9    | 4   | 7.5 | 0.6 | SMMC_392+0400D*08** |
| 0.0047          | 10 | 9    | 4   | 7.5 | 0.6 | SMMC_472+0400D*08** |
| 0.0056          | 10 | 9    | 4   | 7.5 | 0.6 | SMMC_562+0400D*08** |
| 0.0068          | 10 | 9    | 4   | 7.5 | 0.6 | SMMC_682+0400D*08** |
| 0.0082          | 10 | 9    | 4   | 7.5 | 0.6 | SMMC_822+0400D*08** |
| 0.010           | 10 | 9    | 4   | 7.5 | 0.6 | SMMC_103+0400D*08** |
| 0.012           | 10 | 9    | 4   | 7.5 | 0.6 | SMMC_123+0400D*08** |
| 0.015           | 10 | 11   | 5   | 7.5 | 0.6 | SMMC_153+0400D*08** |
| 0.018           | 10 | 11   | 5   | 7.5 | 0.6 | SMMC_183+0400D*08** |
| 0.022           | 10 | 12   | 6   | 7.5 | 0.6 | SMMC_223+0400D*08** |
| 0.027           | 10 | 12   | 6   | 7.5 | 0.6 | SMMC_273+0400D*08** |
| 0.010           | 13 | 9    | 4   | 10  | 0.6 | SMMC_103+0400D*10** |
| 0.012           | 13 | 9    | 4   | 10  | 0.6 | SMMC_123+0400D*10** |
| 0.015           | 13 | 9    | 4   | 10  | 0.6 | SMMC_153+0400D*10** |
| 0.018           | 13 | 9    | 4   | 10  | 0.6 | SMMC_183+0400D*10** |
| 0.022           | 13 | 9    | 4   | 10  | 0.6 | SMMC_223+0400D*10** |
| 0.027           | 13 | 11   | 5   | 10  | 0.6 | SMMC_273+0400D*10** |
| 0.033           | 13 | 11   | 5   | 10  | 0.6 | SMMC_333+0400D*10** |
| 0.039           | 13 | 12   | 6   | 10  | 0.6 | SMMC_393+0400D*10** |
| 0.047           | 13 | 12   | 6   | 10  | 0.6 | SMMC_473+0400D*10** |
| 0.033           | 18 | 11   | 5   | 15  | 0.8 | SMMC_333+0400D*15** |
| 0.039           | 18 | 11   | 5   | 15  | 0.8 | SMMC_393+0400D*15** |
| 0.047           | 18 | 11   | 5   | 15  | 0.8 | SMMC_473+0400D*15** |
| 0.056           | 18 | 11   | 5   | 15  | 0.8 | SMMC_563+0400D*15** |
| 0.068           | 18 | 12   | 6   | 15  | 0.8 | SMMC_683+0400D*15** |
| 0.082           | 18 | 12   | 6   | 15  | 0.8 | SMMC_823+0400D*15** |
| 0.10            | 18 | 13.5 | 7.5 | 15  | 0.8 | SMMC_104+0400D*15** |
| 0.12            | 18 | 13.5 | 7.5 | 15  | 0.8 | SMMC_124+0400D*15** |

| 400Vdc (250Vac) |      |      |      |      |     |                     |
|-----------------|------|------|------|------|-----|---------------------|
| Cap.<br>μF      | W    | H    | T    | P    | d   | Part number         |
| 0.15            | 18   | 14.5 | 8.5  | 15   | 0.8 | SMMC_154+0400D*15** |
| 0.18            | 18   | 15.5 | 9.5  | 15   | 0.8 | SMMC_184+0400D*15** |
| 0.22            | 18   | 15.5 | 9.5  | 15   | 0.8 | SMMC_224+0400D*15** |
| 0.27            | 18   | 19   | 10.8 | 15   | 0.8 | SMMC_274+0400D*15** |
| 0.12            | 26.5 | 15   | 6    | 22.5 | 0.8 | SMMC_124+0400D*23** |
| 0.15            | 26.5 | 15   | 6    | 22.5 | 0.8 | SMMC_154+0400D*23** |
| 0.18            | 26.5 | 15   | 6    | 22.5 | 0.8 | SMMC_184+0400D*23** |
| 0.22            | 26.5 | 16.5 | 7    | 22.5 | 0.8 | SMMC_224+0400D*23** |
| 0.27            | 26.5 | 17   | 8.5  | 22.5 | 0.8 | SMMC_274+0400D*23** |
| 0.33            | 26.5 | 17   | 8.5  | 22.5 | 0.8 | SMMC_334+0400D*23** |
| 0.39            | 26.5 | 19   | 10   | 22.5 | 0.8 | SMMC_394+0400D*23** |
| 0.47            | 26.5 | 19   | 10   | 22.5 | 0.8 | SMMC_474+0400D*23** |
| 0.56            | 26   | 21.5 | 12   | 22.5 | 0.8 | SMMC_564+0400D*23** |
| 0.68            | 26   | 21.5 | 12   | 22.5 | 0.8 | SMMC_684+0400D*23** |
| 0.39            | 31   | 18   | 9    | 27.5 | 0.8 | SMMC_394+0400D*28** |
| 0.47            | 31   | 18   | 9    | 27.5 | 0.8 | SMMC_474+0400D*28** |
| 0.56            | 31.5 | 19.5 | 10.8 | 27.5 | 0.8 | SMMC_564+0400D*28** |
| 0.68            | 31.5 | 19.5 | 10.8 | 27.5 | 0.8 | SMMC_684+0400D*28** |
| 0.82            | 31.5 | 21.6 | 13   | 27.5 | 0.8 | SMMC_824+0400D*28** |
| 1.0             | 31   | 25   | 14   | 27.5 | 0.8 | SMMC_105+0400D*28** |
| 1.2             | 31   | 25   | 14   | 27.5 | 0.8 | SMMC_125+0400D*28** |
| 1.5             | 32   | 33   | 18   | 27.5 | 0.8 | SMMC_155+0400D*28** |
| 1.8             | 32   | 33   | 18   | 27.5 | 0.8 | SMMC_185+0400D*28** |

(1) The symbol + means capacitance tolerance (J=±5%, K=±10%)

(2) The symbol \* means style of lead forming

(3) The symbol \*\* means the lead length

## Double Sided Metallized Polypropylene Film Capacitor (Boxed)

### ■ 尺寸 Dimensions (mm)

| 630Vdc (400Vac) |    |    |   |     |     |                     |
|-----------------|----|----|---|-----|-----|---------------------|
| Cap.<br>μF      | W  | H  | T | P   | d   | Part number         |
| 0.00068         | 10 | 9  | 4 | 7.5 | 0.6 | SMMC_681+0630D*08** |
| 0.00082         | 10 | 9  | 4 | 7.5 | 0.6 | SMMC_821+0630D*08** |
| 0.0010          | 10 | 9  | 4 | 7.5 | 0.6 | SMMC_102+0630D*08** |
| 0.0012          | 10 | 9  | 4 | 7.5 | 0.6 | SMMC_122+0630D*08** |
| 0.0015          | 10 | 9  | 4 | 7.5 | 0.6 | SMMC_152+0630D*08** |
| 0.0018          | 10 | 9  | 4 | 7.5 | 0.6 | SMMC_182+0630D*08** |
| 0.0022          | 10 | 9  | 4 | 7.5 | 0.6 | SMMC_222+0630D*08** |
| 0.0027          | 10 | 9  | 4 | 7.5 | 0.6 | SMMC_272+0630D*08** |
| 0.0033          | 10 | 9  | 4 | 7.5 | 0.6 | SMMC_332+0630D*08** |
| 0.0039          | 10 | 9  | 4 | 7.5 | 0.6 | SMMC_392+0630D*08** |
| 0.0047          | 10 | 9  | 4 | 7.5 | 0.6 | SMMC_472+0630D*08** |
| 0.0056          | 10 | 9  | 4 | 7.5 | 0.6 | SMMC_562+0630D*08** |
| 0.0068          | 10 | 11 | 5 | 7.5 | 0.6 | SMMC_682+0630D*08** |
| 0.0082          | 10 | 11 | 5 | 7.5 | 0.6 | SMMC_822+0630D*08** |
| 0.010           | 10 | 12 | 6 | 7.5 | 0.6 | SMMC_103+0630D*08** |
| 0.012           | 10 | 12 | 6 | 7.5 | 0.6 | SMMC_123+0630D*08** |
| 0.0039          | 13 | 9  | 4 | 10  | 0.6 | SMMC_392+0630D*10** |
| 0.0047          | 13 | 9  | 4 | 10  | 0.6 | SMMC_472+0630D*10** |
| 0.0056          | 13 | 9  | 4 | 10  | 0.6 | SMMC_562+0630D*10** |
| 0.0068          | 13 | 9  | 4 | 10  | 0.6 | SMMC_682+0630D*10** |
| 0.0082          | 13 | 9  | 4 | 10  | 0.6 | SMMC_822+0630D*10** |
| 0.010           | 13 | 11 | 5 | 10  | 0.6 | SMMC_103+0630D*10** |
| 0.012           | 13 | 11 | 5 | 10  | 0.6 | SMMC_123+0630D*10** |
| 0.015           | 13 | 12 | 6 | 10  | 0.6 | SMMC_153+0630D*10** |
| 0.018           | 13 | 12 | 6 | 10  | 0.6 | SMMC_183+0630D*10** |
| 0.010           | 18 | 11 | 5 | 15  | 0.8 | SMMC_103+0630D*15** |
| 0.012           | 18 | 11 | 5 | 15  | 0.8 | SMMC_123+0630D*15** |
| 0.015           | 18 | 11 | 5 | 15  | 0.8 | SMMC_153+0630D*15** |
| 0.018           | 18 | 11 | 5 | 15  | 0.8 | SMMC_183+0630D*15** |
| 0.022           | 18 | 11 | 5 | 15  | 0.8 | SMMC_223+0630D*15** |

| 630Vdc (400Vac) |      |      |      |      |     |                     |
|-----------------|------|------|------|------|-----|---------------------|
| Cap.<br>μF      | W    | H    | T    | P    | d   | Part number         |
| 0.027           | 18   | 11   | 5    | 15   | 0.8 | SMMC_273+0630D*15** |
| 0.033           | 18   | 12   | 6    | 15   | 0.8 | SMMC_333+0630D*15** |
| 0.039           | 18   | 12   | 6    | 15   | 0.8 | SMMC_393+0630D*15** |
| 0.047           | 18   | 12   | 6    | 15   | 0.8 | SMMC_473+0630D*15** |
| 0.056           | 18   | 13.5 | 7.5  | 15   | 0.8 | SMMC_563+0630D*15** |
| 0.068           | 18   | 14.5 | 8.5  | 15   | 0.8 | SMMC_683+0630D*15** |
| 0.082           | 18   | 14.5 | 8.5  | 15   | 0.8 | SMMC_823+0630D*15** |
| 0.10            | 18   | 15.5 | 9.5  | 15   | 0.8 | SMMC_104+0630D*15** |
| 0.12            | 18   | 19   | 10.8 | 15   | 0.8 | SMMC_124+0630D*15** |
| 0.047           | 26.5 | 15   | 6    | 22.5 | 0.8 | SMMC_473+0630D*23** |
| 0.068           | 26.5 | 15   | 6    | 22.5 | 0.8 | SMMC_683+0630D*23** |
| 0.10            | 26.5 | 15   | 6    | 22.5 | 0.8 | SMMC_104+0630D*23** |
| 0.12            | 26.5 | 16.5 | 7    | 22.5 | 0.8 | SMMC_124+0630D*23** |
| 0.15            | 26.5 | 17   | 8.5  | 22.5 | 0.8 | SMMC_154+0630D*23** |
| 0.18            | 26.5 | 17   | 8.5  | 22.5 | 0.8 | SMMC_184+0630D*23** |
| 0.22            | 26.5 | 19   | 10   | 22.5 | 0.8 | SMMC_224+0630D*23** |
| 0.27            | 26   | 21.5 | 12   | 22.5 | 0.8 | SMMC_274+0630D*23** |
| 0.33            | 26   | 21.5 | 12   | 22.5 | 0.8 | SMMC_334+0630D*23** |
| 0.39            | 26   | 21.5 | 12   | 22.5 | 0.8 | SMMC_394+0630D*23** |
| 0.15            | 31   | 18   | 9    | 27.5 | 0.8 | SMMC_154+0630D*28** |
| 0.22            | 31   | 18   | 9    | 27.5 | 0.8 | SMMC_224+0630D*28** |
| 0.27            | 31   | 18   | 9    | 27.5 | 0.8 | SMMC_274+0630D*28** |
| 0.33            | 31.5 | 19.5 | 10.8 | 27.5 | 0.8 | SMMC_334+0630D*28** |
| 0.39            | 31.5 | 19.5 | 10.8 | 27.5 | 0.8 | SMMC_394+0630D*28** |
| 0.47            | 31.5 | 21.6 | 13   | 27.5 | 0.8 | SMMC_474+0630D*28** |
| 0.56            | 31.5 | 21.6 | 13   | 27.5 | 0.8 | SMMC_564+0630D*28** |
| 0.68            | 31   | 25   | 14   | 27.5 | 0.8 | SMMC_684+0630D*28** |
| 0.82            | 31   | 29.5 | 15   | 27.5 | 0.8 | SMMC_824+0630D*28** |
| 1.0             | 32   | 33   | 18   | 27.5 | 0.8 | SMMC_105+0630D*28** |
| 1.2             | 32   | 33   | 18   | 27.5 | 0.8 | SMMC_125+0630D*28** |

## Double Sided Metallized Polypropylene Film Capacitor (Boxed)

### ■ 尺寸 Dimensions (mm)

| 1000Vdc (600Vac) |    |      |      |     |     |                     |
|------------------|----|------|------|-----|-----|---------------------|
| Cap.<br>μF       | W  | H    | T    | P   | d   | Part number         |
| 0.00047          | 10 | 9    | 4    | 7.5 | 0.6 | SMMC_471+1000D*08** |
| 0.00056          | 10 | 9    | 4    | 7.5 | 0.6 | SMMC_561+1000D*08** |
| 0.00068          | 10 | 9    | 4    | 7.5 | 0.6 | SMMC_681+1000D*08** |
| 0.00082          | 10 | 9    | 4    | 7.5 | 0.6 | SMMC_821+1000D*08** |
| 0.0010           | 10 | 9    | 4    | 7.5 | 0.6 | SMMC_102+1000D*08** |
| 0.0012           | 10 | 11   | 5    | 7.5 | 0.6 | SMMC_122+1000D*08** |
| 0.0015           | 10 | 11   | 5    | 7.5 | 0.6 | SMMC_152+1000D*08** |
| 0.0018           | 10 | 11   | 5    | 7.5 | 0.6 | SMMC_182+1000D*08** |
| 0.0022           | 10 | 11   | 5    | 7.5 | 0.6 | SMMC_222+1000D*08** |
| 0.0027           | 10 | 12   | 6    | 7.5 | 0.6 | SMMC_272+1000D*08** |
| 0.0033           | 10 | 12   | 6    | 7.5 | 0.6 | SMMC_332+1000D*08** |
| 0.0010           | 13 | 9    | 4    | 10  | 0.6 | SMMC_102+1000D*10** |
| 0.0015           | 13 | 9    | 4    | 10  | 0.6 | SMMC_152+1000D*10** |
| 0.0022           | 13 | 9    | 4    | 10  | 0.6 | SMMC_222+1000D*10** |
| 0.0027           | 13 | 9    | 4    | 10  | 0.6 | SMMC_272+1000D*10** |
| 0.0033           | 13 | 9    | 4    | 10  | 0.6 | SMMC_332+1000D*10** |
| 0.0039           | 13 | 11   | 5    | 10  | 0.6 | SMMC_392+1000D*10** |
| 0.0047           | 13 | 11   | 5    | 10  | 0.6 | SMMC_472+1000D*10** |
| 0.0056           | 13 | 12   | 6    | 10  | 0.6 | SMMC_562+1000D*10** |
| 0.0068           | 13 | 12   | 6    | 10  | 0.6 | SMMC_682+1000D*10** |
| 0.0082           | 18 | 11   | 5    | 15  | 0.8 | SMMC_822+1000D*15** |
| 0.010            | 18 | 11   | 5    | 15  | 0.8 | SMMC_103+1000D*15** |
| 0.012            | 18 | 11   | 5    | 15  | 0.8 | SMMC_123+1000D*15** |
| 0.015            | 18 | 11   | 5    | 15  | 0.8 | SMMC_153+1000D*15** |
| 0.018            | 18 | 13.5 | 7.5  | 15  | 0.8 | SMMC_183+1000D*15** |
| 0.022            | 18 | 13.5 | 7.5  | 15  | 0.8 | SMMC_223+1000D*15** |
| 0.027            | 18 | 14.5 | 8.5  | 15  | 0.8 | SMMC_273+1000D*15** |
| 0.033            | 18 | 14.5 | 8.5  | 15  | 0.8 | SMMC_333+1000D*15** |
| 0.039            | 18 | 16   | 10.3 | 15  | 0.8 | SMMC_393+1000D*15** |
| 0.047            | 18 | 19   | 10.8 | 15  | 0.8 | SMMC_473+1000D*15** |

| 1000Vdc (600Vac) |      |      |      |      |     |                     |
|------------------|------|------|------|------|-----|---------------------|
| Cap.<br>μF       | W    | H    | T    | P    | d   | Part number         |
| 0.027            | 26.5 | 15   | 6    | 22.5 | 0.8 | SMMC_273+1000D*23** |
| 0.033            | 26.5 | 15   | 6    | 22.5 | 0.8 | SMMC_333+1000D*23** |
| 0.039            | 26.5 | 15   | 6    | 22.5 | 0.8 | SMMC_393+1000D*23** |
| 0.047            | 26.5 | 16.5 | 7    | 22.5 | 0.8 | SMMC_473+1000D*23** |
| 0.056            | 26.5 | 16.5 | 7    | 22.5 | 0.8 | SMMC_563+1000D*23** |
| 0.068            | 26.5 | 17   | 8.5  | 22.5 | 0.8 | SMMC_683+1000D*23** |
| 0.082            | 26.5 | 19   | 10   | 22.5 | 0.8 | SMMC_823+1000D*23** |
| 0.10             | 26.5 | 19   | 10   | 22.5 | 0.8 | SMMC_104+1000D*23** |
| 0.12             | 26   | 21.5 | 12   | 22.5 | 0.8 | SMMC_124+1000D*23** |
| 0.15             | 26   | 21.5 | 12   | 22.5 | 0.8 | SMMC_154+1000D*23** |
| 0.10             | 31   | 18   | 9    | 27.5 | 0.8 | SMMC_104+1000D*28** |
| 0.12             | 31.5 | 19.5 | 10.8 | 27.5 | 0.8 | SMMC_124+1000D*28** |
| 0.15             | 31.5 | 19.5 | 10.8 | 27.5 | 0.8 | SMMC_154+1000D*28** |
| 0.18             | 31.5 | 21.6 | 13   | 27.5 | 0.8 | SMMC_184+1000D*28** |
| 0.22             | 31.5 | 21.6 | 13   | 27.5 | 0.8 | SMMC_224+1000D*28** |
| 0.27             | 31   | 25   | 14   | 27.5 | 0.8 | SMMC_274+1000D*28** |
| 0.33             | 31   | 29.5 | 15   | 27.5 | 0.8 | SMMC_334+1000D*28** |
| 0.39             | 32   | 33   | 18   | 27.5 | 0.8 | SMMC_394+1000D*28** |
| 0.47             | 32   | 33   | 18   | 27.5 | 0.8 | SMMC_474+1000D*28** |

(1) The symbol + means capacitance tolerance (J=±5%, K=±10%)

(2) The symbol \* means style of lead forming

(3) The symbol \*\* means the lead length

## Double Sided Metallized Polypropylene Film Capacitor (Boxed)

### ■ 尺寸 Dimensions (mm)

| 1600Vdc (650Vac) |    |      |      |    |     |                     |
|------------------|----|------|------|----|-----|---------------------|
| Cap.<br>μF       | W  | H    | T    | P  | d   | Part number         |
| 0.00068          | 18 | 11   | 5    | 15 | 0.8 | SMMC_681+1600D*15** |
| 0.00082          | 18 | 11   | 5    | 15 | 0.8 | SMMC_821+1600D*15** |
| 0.0010           | 18 | 11   | 5    | 15 | 0.8 | SMMC_102+1600D*15** |
| 0.0012           | 18 | 11   | 5    | 15 | 0.8 | SMMC_122+1600D*15** |
| 0.0015           | 18 | 11   | 5    | 15 | 0.8 | SMMC_152+1600D*15** |
| 0.0018           | 18 | 11   | 5    | 15 | 0.8 | SMMC_182+1600D*15** |
| 0.0022           | 18 | 11   | 5    | 15 | 0.8 | SMMC_222+1600D*15** |
| 0.0027           | 18 | 11   | 5    | 15 | 0.8 | SMMC_272+1600D*15** |
| 0.0033           | 18 | 11   | 5    | 15 | 0.8 | SMMC_332+1600D*15** |
| 0.0039           | 18 | 11   | 5    | 15 | 0.8 | SMMC_392+1600D*15** |
| 0.0047           | 18 | 11   | 5    | 15 | 0.8 | SMMC_472+1600D*15** |
| 0.0056           | 18 | 11   | 5    | 15 | 0.8 | SMMC_562+1600D*15** |
| 0.0068           | 18 | 11   | 5    | 15 | 0.8 | SMMC_682+1600D*15** |
| 0.0082           | 18 | 12   | 6    | 15 | 0.8 | SMMC_822+1600D*15** |
| 0.010            | 18 | 12   | 6    | 15 | 0.8 | SMMC_103+1600D*15** |
| 0.012            | 18 | 13.5 | 7.5  | 15 | 0.8 | SMMC_123+1600D*15** |
| 0.015            | 18 | 13.5 | 7.5  | 15 | 0.8 | SMMC_153+1600D*15** |
| 0.018            | 18 | 14.5 | 8.5  | 15 | 0.8 | SMMC_183+1600D*15** |
| 0.022            | 18 | 14.5 | 8.5  | 15 | 0.8 | SMMC_223+1600D*15** |
| 0.027            | 18 | 15.5 | 9.5  | 15 | 0.8 | SMMC_273+1600D*15** |
| 0.033            | 18 | 19   | 10.8 | 15 | 0.8 | SMMC_333+1600D*15** |

| 1600Vdc (650Vac) |      |      |      |      |     |                     |
|------------------|------|------|------|------|-----|---------------------|
| Cap.<br>μF       | W    | H    | T    | P    | d   | Part number         |
| 0.015            | 26.5 | 15   | 6    | 22.5 | 0.8 | SMMC_153+1600D*23** |
| 0.018            | 26.5 | 15   | 6    | 22.5 | 0.8 | SMMC_183+1600D*23** |
| 0.022            | 26.5 | 15   | 6    | 22.5 | 0.8 | SMMC_223+1600D*23** |
| 0.027            | 26.5 | 15   | 6    | 22.5 | 0.8 | SMMC_273+1600D*23** |
| 0.033            | 26.5 | 16.5 | 7    | 22.5 | 0.8 | SMMC_333+1600D*23** |
| 0.039            | 26.5 | 17   | 8.5  | 22.5 | 0.8 | SMMC_393+1600D*23** |
| 0.047            | 26.5 | 19   | 10   | 22.5 | 0.8 | SMMC_473+1600D*23** |
| 0.056            | 26.5 | 19   | 10   | 22.5 | 0.8 | SMMC_563+1600D*23** |
| 0.068            | 26   | 21.5 | 12   | 22.5 | 0.8 | SMMC_683+1600D*23** |
| 0.082            | 26   | 21.5 | 12   | 22.5 | 0.8 | SMMC_823+1600D*23** |
| 0.039            | 31   | 18   | 9    | 27.5 | 0.8 | SMMC_393+1600D*28** |
| 0.047            | 31   | 18   | 9    | 27.5 | 0.8 | SMMC_473+1600D*28** |
| 0.056            | 31   | 18   | 9    | 27.5 | 0.8 | SMMC_563+1600D*28** |
| 0.068            | 31   | 18   | 9    | 27.5 | 0.8 | SMMC_683+1600D*28** |
| 0.082            | 31.5 | 19.5 | 10.8 | 27.5 | 0.8 | SMMC_823+1600D*28** |
| 0.10             | 31.5 | 19.5 | 10.8 | 27.5 | 0.8 | SMMC_104+1600D*28** |
| 0.12             | 31.5 | 21.6 | 13   | 27.5 | 0.8 | SMMC_124+1600D*28** |
| 0.15             | 31   | 25   | 14   | 27.5 | 0.8 | SMMC_154+1600D*28** |
| 0.18             | 31   | 25   | 14   | 27.5 | 0.8 | SMMC_184+1600D*28** |
| 0.22             | 32   | 33   | 18   | 27.5 | 0.8 | SMMC_224+1600D*28** |
| 0.27             | 32   | 33   | 18   | 27.5 | 0.8 | SMMC_274+1600D*28** |
| 0.33             | 32   | 33   | 18   | 27.5 | 0.8 | SMMC_334+1600D*28** |

(1) The symbol + means capacitance tolerance (J=±5%, K=±10%)

(2) The symbol \* means style of lead forming

(3) The symbol \*\* means the lead length

## Double Sided Metallized Polypropylene Film Capacitor (Boxed)

### ■ 尺寸 Dimensions (mm)

| 2000Vdc (700Vac) |      |      |      |      |     |                     |
|------------------|------|------|------|------|-----|---------------------|
| Cap.<br>μF       | W    | H    | T    | P    | d   | Part number         |
| 0.00022          | 18   | 11   | 5    | 15   | 0.8 | SMMC_221+2000D*15** |
| 0.00027          | 18   | 11   | 5    | 15   | 0.8 | SMMC_271+2000D*15** |
| 0.00033          | 18   | 11   | 5    | 15   | 0.8 | SMMC_331+2000D*15** |
| 0.00039          | 18   | 11   | 5    | 15   | 0.8 | SMMC_391+2000D*15** |
| 0.00047          | 18   | 11   | 5    | 15   | 0.8 | SMMC_471+2000D*15** |
| 0.00056          | 18   | 11   | 5    | 15   | 0.8 | SMMC_561+2000D*15** |
| 0.00068          | 18   | 11   | 5    | 15   | 0.8 | SMMC_681+2000D*15** |
| 0.00082          | 18   | 11   | 5    | 15   | 0.8 | SMMC_821+2000D*15** |
| 0.0010           | 18   | 11   | 5    | 15   | 0.8 | SMMC_102+2000D*15** |
| 0.0012           | 18   | 11   | 5    | 15   | 0.8 | SMMC_122+2000D*15** |
| 0.0015           | 18   | 11   | 5    | 15   | 0.8 | SMMC_152+2000D*15** |
| 0.0018           | 18   | 11   | 5    | 15   | 0.8 | SMMC_182+2000D*15** |
| 0.0022           | 18   | 11   | 5    | 15   | 0.8 | SMMC_222+2000D*15** |
| 0.0027           | 18   | 11   | 5    | 15   | 0.8 | SMMC_272+2000D*15** |
| 0.0033           | 18   | 12   | 6    | 15   | 0.8 | SMMC_332+2000D*15** |
| 0.0039           | 18   | 12   | 6    | 15   | 0.8 | SMMC_392+2000D*15** |
| 0.0047           | 18   | 12   | 6    | 15   | 0.8 | SMMC_472+2000D*15** |
| 0.0056           | 18   | 13.5 | 7.5  | 15   | 0.8 | SMMC_562+2000D*15** |
| 0.0068           | 18   | 13.5 | 7.5  | 15   | 0.8 | SMMC_682+2000D*15** |
| 0.0082           | 18   | 14.5 | 8.5  | 15   | 0.8 | SMMC_822+2000D*15** |
| 0.010            | 18   | 15.5 | 9.5  | 15   | 0.8 | SMMC_103+2000D*15** |
| 0.012            | 18   | 15.5 | 9.5  | 15   | 0.8 | SMMC_123+2000D*15** |
| 0.015            | 18   | 19   | 10.8 | 15   | 0.8 | SMMC_153+2000D*15** |
| 0.0010           | 26.5 | 15   | 6    | 22.5 | 0.8 | SMMC_102+2000D*23** |
| 0.0012           | 26.5 | 15   | 6    | 22.5 | 0.8 | SMMC_122+2000D*23** |
| 0.0015           | 26.5 | 15   | 6    | 22.5 | 0.8 | SMMC_152+2000D*23** |
| 0.0018           | 26.5 | 15   | 6    | 22.5 | 0.8 | SMMC_182+2000D*23** |
| 0.0022           | 26.5 | 15   | 6    | 22.5 | 0.8 | SMMC_222+2000D*23** |
| 0.0027           | 26.5 | 15   | 6    | 22.5 | 0.8 | SMMC_272+2000D*23** |
| 0.0033           | 26.5 | 15   | 6    | 22.5 | 0.8 | SMMC_332+2000D*23** |

| 2000Vdc (700Vac) |      |      |      |      |     |                     |
|------------------|------|------|------|------|-----|---------------------|
| Cap.<br>μF       | W    | H    | T    | P    | d   | Part number         |
| 0.0039           | 26.5 | 15   | 6    | 22.5 | 0.8 | SMMC_392+2000D*23** |
| 0.0047           | 26.5 | 15   | 6    | 22.5 | 0.8 | SMMC_472+2000D*23** |
| 0.0056           | 26.5 | 15   | 6    | 22.5 | 0.8 | SMMC_562+2000D*23** |
| 0.0068           | 26.5 | 15   | 6    | 22.5 | 0.8 | SMMC_682+2000D*23** |
| 0.0082           | 26.5 | 15   | 6    | 22.5 | 0.8 | SMMC_822+2000D*23** |
| 0.010            | 26.5 | 15   | 6    | 22.5 | 0.8 | SMMC_103+2000D*23** |
| 0.012            | 26.5 | 15   | 6    | 22.5 | 0.8 | SMMC_123+2000D*23** |
| 0.015            | 26.5 | 16.5 | 7    | 22.5 | 0.8 | SMMC_153+2000D*23** |
| 0.018            | 26.5 | 16.5 | 7    | 22.5 | 0.8 | SMMC_183+2000D*23** |
| 0.022            | 26.5 | 17   | 8.5  | 22.5 | 0.8 | SMMC_223+2000D*23** |
| 0.027            | 26.5 | 19   | 10   | 22.5 | 0.8 | SMMC_273+2000D*23** |
| 0.033            | 26.5 | 19   | 10   | 22.5 | 0.8 | SMMC_333+2000D*23** |
| 0.039            | 26   | 21.5 | 12   | 22.5 | 0.8 | SMMC_393+2000D*23** |
| 0.047            | 26   | 21.5 | 12   | 22.5 | 0.8 | SMMC_473+2000D*23** |
| 0.022            | 31   | 18   | 9    | 27.5 | 0.8 | SMMC_223+2000D*28** |
| 0.027            | 31   | 18   | 9    | 27.5 | 0.8 | SMMC_273+2000D*28** |
| 0.033            | 31   | 18   | 9    | 27.5 | 0.8 | SMMC_333+2000D*28** |
| 0.039            | 31.5 | 19.5 | 10.8 | 27.5 | 0.8 | SMMC_393+2000D*28** |
| 0.047            | 31.5 | 19.5 | 10.8 | 27.5 | 0.8 | SMMC_473+2000D*28** |
| 0.056            | 31.5 | 21.6 | 13   | 27.5 | 0.8 | SMMC_563+2000D*28** |
| 0.068            | 31.5 | 21.6 | 13   | 27.5 | 0.8 | SMMC_683+2000D*28** |
| 0.082            | 31   | 25   | 14   | 27.5 | 0.8 | SMMC_823+2000D*28** |
| 0.10             | 31   | 29.5 | 15   | 27.5 | 0.8 | SMMC_104+2000D*28** |
| 0.12             | 32   | 33   | 18   | 27.5 | 0.8 | SMMC_124+2000D*28** |
| 0.15             | 32   | 33   | 18   | 27.5 | 0.8 | SMMC_154+2000D*28** |

(1) The symbol + means capacitance tolerance ( $J=\pm 5\%$ ,  $K=\pm 10\%$ )

(2) The symbol \* means style of lead forming

(3) The symbol \*\* means the lead length