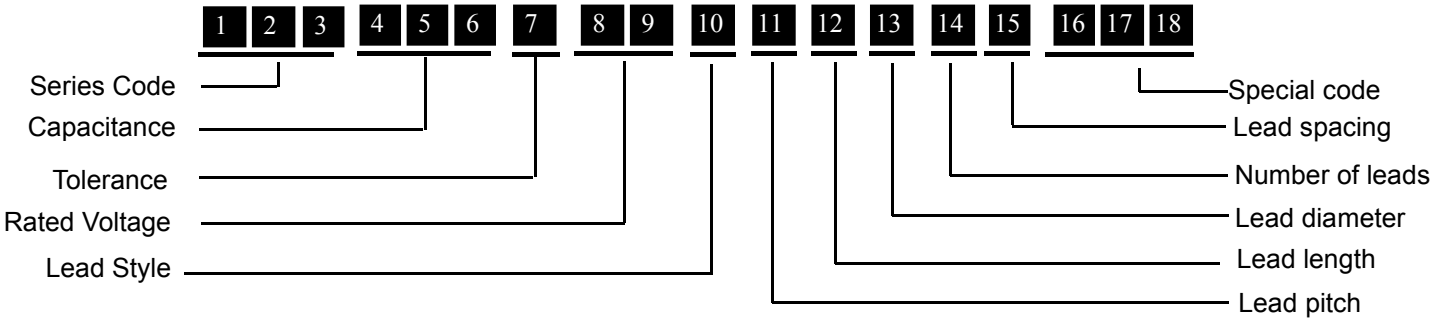
# Type：FOP Specification

## Part Numbering System




| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Digit 1~3 | Type | SNW | DLW | FOP | | | | | | | | | |
| Digit 4~6 | Digit 4~5 indicate the first two figures of the capacitance value and the 6th digit indicate the number of zero added to obtain the rated capacitance in pF. EX.102=1000pF=1nF=0.001μF | | | | | | | | | | | | |
| Digit 7 | Code | F | G | H | J | K | M | | | | | | |
| | Tolerance | ±1% | ±2% | ±3% | ±5% | ±10% | ±20% | | | | | | |
| Digit 8~9 | | A | B | C | D | E | F | G | H | J | K | L | M | N |
| | 1 | | | | 20 | | | | 50 | 63 | 180 | | 1100 | 15 |
| | 2 | 100 | 125 | 160 | 200 | 250 | 315 | 400 | 500 | 630 | 800 | 120 | 1300 | 150 |
| | 3 | 1000 | 1250 | 1600 | 2000 | 2500 | 3150 | 4000 | 5000 | 6300 | 8000 | 1200 | 1400 | 1500 |
| | | P | Q | R | S | T | U | V | W | X | Y | | | |
| | 1 | 240 | 300 | 330 | 440 | 540 | 600 | 700 | 850 | 900 | | | | |
| | 2 | 275 | 305 | 350 | 450 | 520 | | 760 | 1800 | 875 | | | | |
| | 3 | 280 | 310 | 425 | 480 | | | | | | 3000 | | | |
| | Letter and then number indicate AC,but number and then Letter indicate DC.<br>EX.2A=100VDC A2=100VAC | | | | | | | | | | | | |
| Digit 10 | Code | A | X | | | | | | | | | | |
| | Lead style | Straight lead | straight lead Cutted | | | | | | | | | | |
| Digit 11 | Code | 2 | 3 | 5 | P | J | | | | | | | |
| | Pitch(mm) | 27.5 | 37.5 | 52.5 | 32.5 | 22.5 | | | | | | | |
| Digit 12 | Code | 3 | 4 | 1 | V | | | | | | | | |
| | Length(mm) | 3.5 | 4.0 | 6.0 | 3.2 | | | | | | | | |
| Digit 13 | Code | A | B | C | | | | | | | | | |
| | Diameter(mm) | 0.8 | 1.0 | 1.2 | | | | | | | | | |
| Digit 14 | Code | 2 | 4 | | | | | | | | | | |
| | Pins | 2 | 4 | | | | | | | | | | |
| Digit 15 | Code | A | J | K | M | B | | | | | | | |
| | Lead spacing(P1) | 0 | 5.1 | 10.2 | 20.3 | 12.7 | | | | | | | |
| Digit 16~18 | Code | Explanation | Code | Explanation | | Code | Explanation | | | | | | |
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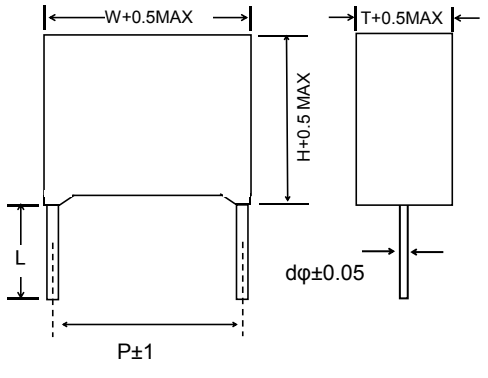
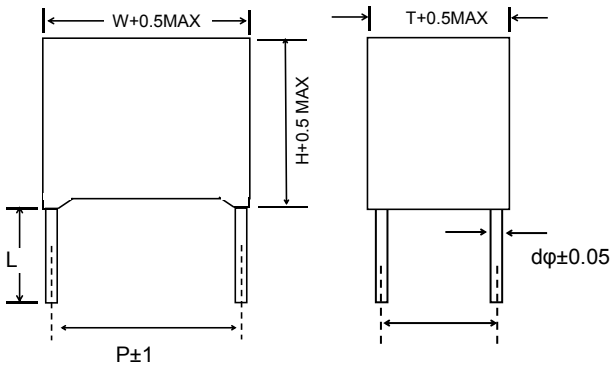
Strong Components Co.,Ltd

| Type：FOP Specification | Dimension |
|---|---|

unit:mm




Front view Side view




Front view Side view

| CAP. *(uF)* | Urms (AC) | TOL. ±% | Dimensions(mm) | | | | | | dv/dt (v/μs) | Ipeak (A) | 10KHz | | Ls (nH) | SCC *P/N* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | *W* | *H* | *T* | *P* | P1 | *dφ* | | | Irms(A) @70℃ | ESR (mΩ) | | |
| 4.0 | 180 | 5 | 32.0 | 22.0 | 13.0 | 27.5 | - | 1.0 | 70 | 280 | 7 | 9.4 | 16 | FOP405JK1X2*B2A000 |
| 5.0 | 180 | 5 | 32.0 | 28.0 | 14.0 | 27.5 | - | 1.0 | 70 | 350 | 8 | 8.0 | 18 | FOP505JK1X2*B2A000 |
| 6.8 | 180 | 5 | 32.0 | 33.0 | 18.0 | 27.5 | - | 1.2 | 70 | 476 | 11 | 7.0 | 21 | FOP685JK1X2*C2A000 |
| 10.0 | 180 | 5 | 32.0 | 30.5 | 20.0 | 27.5 | - | 1.2 | 70 | 700 | 13 | 4.9 | 20 | FOP106JK1X2*C2A001 |
| 10.0 | 180 | 5 | 32.0 | 33.0 | 18.0 | 27.5 | — | 1.2 | 70 | 700 | 13 | 4.9 | 20 | FOP106JK1X2*C2A000 |
| 10.0 | 180 | 5 | 42.5 | 30.0 | 17.0 | 37.5 | - | 1.2 | 40 | 400 | 10 | 7.4 | 22 | FOP106JK1X3*C2A000 |
| 15.0 | 180 | 5 | 32.0 | 41.5 | 22.0 | 27.5 | — | 1.2 | 70 | 1050 | 15 | 4.5 | 21 | FOP156JK1X2*C2A000 |
| 15.0 | 180 | 5 | 42.5 | 37.0 | 22.0 | 37.5 | - | 1.2 | 40 | 600 | 14 | 5.9 | 24 | FOP156JK1X3*C2A000 |
| 18.0 | 180 | 5 | 42.5 | 37.0 | 22.0 | 37.5 | - | 1.2 | 40 | 720 | 14 | 5.4 | 25 | FOP186JK1X3*C2A000 |
| 20.0 | 180 | 5 | 42.5 | 37.0 | 22.0 | 37.5 | - | 1.2 | 40 | 800 | 14 | 5.0 | 25 | FOP206JK1X3*C2A000 |
| 22.0 | 180 | 5 | 42.5 | 40.0 | 26.0 | 37.5 | - | 1.2 | 40 | 880 | 14 | 4.4 | 26 | FOP226JK1X3*C2A000 |
| 25.0 | 180 | 5 | 42.5 | 40.0 | 26.0 | 37.5 | - | 1.2 | 40 | 1000 | 14 | 4.0 | 27 | FOP256JK1X3*C2A000 |
| 30.0 | 180 | 5 | 42.5 | 45.0 | 30.0 | 37.5 | - | 1.2 | 40 | 1200 | 14 | 3.2 | 28 | FOP306JK1X3*C2A000 |
| 33.0 | 180 | 5 | 42.5 | 45.0 | 30.0 | 37.5 | - | 1.2 | 40 | 1320 | 14 | 3.0 | 29 | FOP336JK1X3*C2A000 |
| 40.0 | 180 | 5 | 57.0 | 45.0 | 30.0 | 52.5 | 20.3 | 1.2 | 20 | 800 | 20 | 4.7 | 26 | FOP406JK1X5*C4M000 |
| 50.0 | 180 | 5 | 57.0 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 1000 | 24 | 3.8 | 28 | FOP506JK1X5*C4M000 |
| 60.0 | 180 | 5 | 57.0 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 1200 | 27 | 3.4 | 29 | FOP606JK1X5*C4M000 |
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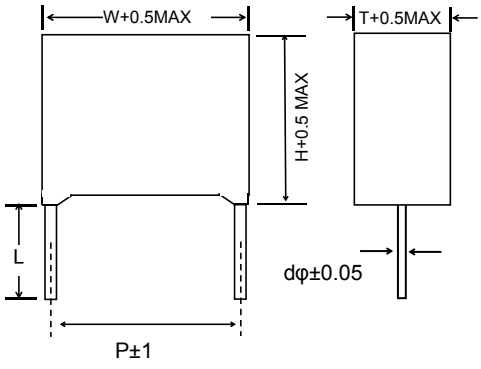
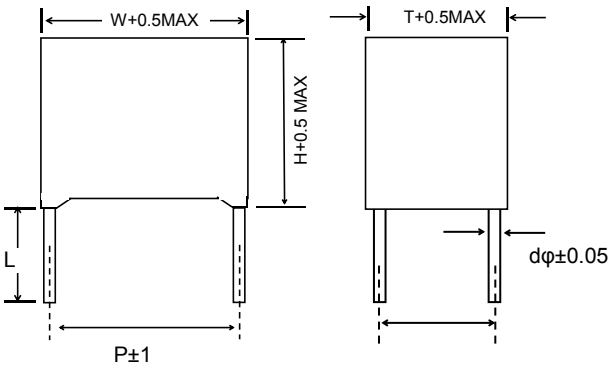
Type：FOP Specification | Dimension

unit:mm




Front view Side view

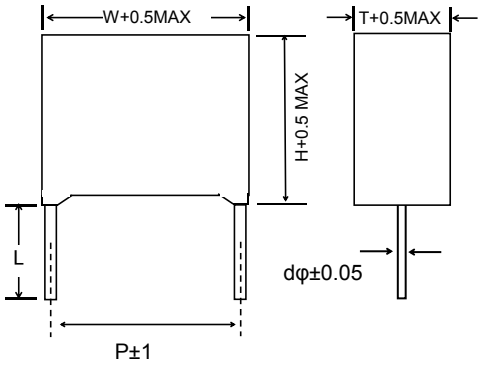



Front view Side view

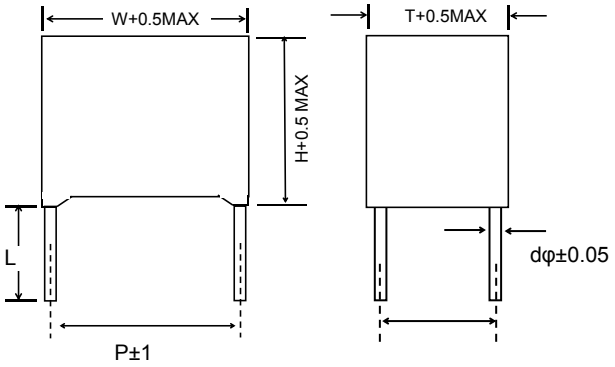
| CAP. *(uF)* | Urms (AC) | TOL. ±% | Dimensions(mm) | | | | | | dv/dt (v/μs) | Ipeak (A) | 10KHz | | Ls (nH) | SCC *P/N* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | *W* | *H* | *T* | *P* | P1 | *dφ* | | | Irms(A) @70℃ | ESR (mΩ) | | |
| 1.0 | 250 | 5 | 32.0 | 18.0 | 9.0 | 27.5 | - | 0.8 | 90 | 90 | 3 | 22.8 | 20 | FOP105JE2X2*A2A000 |
| 1.5 | 250 | 5 | 32.0 | 20.0 | 11.0 | 27.5 | - | 0.8 | 90 | 135 | 4 | 16.7 | 20 | FOP155JE2X2*A2A000 |
| 2.0 | 250 | 5 | 32.0 | 22.0 | 13.0 | 27.5 | - | 1.0 | 90 | 180 | 5 | 12.4 | 20 | FOP205JE2X2*B2A000 |
| 2.2 | 250 | 5 | 32.0 | 22.0 | 13.0 | 27.5 | - | 1.0 | 90 | 198 | 6 | 11.4 | 20 | FOP225JE2X2*B2A000 |
| 2.5 | 250 | 5 | 32.0 | 22.0 | 13.0 | 27.5 | - | 1.0 | 90 | 225 | 6 | 10.0 | 20 | FOP255JE2X2*B2A000 |
| 3.0 | 250 | 5 | 32.0 | 24.5 | 15.0 | 27.5 | - | 1.0 | 90 | 270 | 7 | 8.6 | 20 | FOP305JE2X2*B2A000 |
| 3.3 | 250 | 5 | 32.0 | 24.5 | 15.0 | 27.5 | - | 1.0 | 90 | 297 | 8 | 7.8 | 21 | FOP335JE2X2*B2A000 |
| 3.5 | 250 | 5 | 32.0 | 28.0 | 14.0 | 27.5 | - | 1.0 | 90 | 315 | 8 | 7.4 | 23 | FOP355JE2X2*B2A000 |
| 4.0 | 250 | 5 | 32.0 | 33.0 | 18.0 | 27.5 | - | 1.2 | 90 | 360 | 10 | 6.7 | 22 | FOP405JE2X2*C2A000 |
| 4.5 | 250 | 5 | 32.0 | 33.0 | 18.0 | 27.5 | - | 1.2 | 90 | 405 | 10 | 6.5 | 23 | FOP455JE2X2*C2A000 |
| 5.0 | 250 | 5 | 32.0 | 33.0 | 18.0 | 27.5 | - | 1.2 | 90 | 450 | 11 | 5.9 | 23 | FOP505JE2X2*C2A000 |
| 6.8 | 250 | 5 | 32.0 | 35.0 | 21.0 | 27.5 | - | 1.2 | 90 | 612 | 14 | 4.2 | 24 | FOP685JE2X2*C2A000 |
| 4.7 | 250 | 5 | 42.5 | 26.0 | 14.5 | 37.5 | - | 1.0 | 60 | 282 | 7 | 10.9 | 24 | FOP475JE2X3*B2A000 |
| 5.0 | 250 | 5 | 42.5 | 26.0 | 14.5 | 37.5 | - | 1.0 | 60 | 300 | 8 | 10.2 | 26 | FOP505JE2X3*B2A000 |
| 6.0 | 250 | 5 | 42.5 | 28.0 | 16.0 | 37.5 | - | 1.2 | 60 | 360 | 9 | 8.5 | 26 | FOP605JE2X3*C2A000 |
| 6.5 | 250 | 5 | 42.5 | 28.0 | 16.0 | 37.5 | - | 1.2 | 60 | 390 | 10 | 7.8 | 26 | FOP655JE2X3*C2A000 |
| 6.8 | 250 | 5 | 42.5 | 31.5 | 18.5 | 37.5 | - | 1.2 | 60 | 408 | 10 | 7.6 | 27 | FOP685JE2X3*C2A000 |
| 7.5 | 250 | 5 | 42.5 | 31.5 | 18.5 | 37.5 | - | 1.2 | 60 | 450 | 11 | 6.9 | 27 | FOP755JE2X3*C2A000 |
| 8.0 | 250 | 5 | 42.5 | 37.0 | 22.0 | 37.5 | - | 1.2 | 60 | 480 | 12 | 6.4 | 27 | FOP805JE2X3*C2A000 |
| 10.0 | 250 | 5 | 42.5 | 37.0 | 22.0 | 37.5 | - | 1.2 | 60 | 600 | 13 | 5.6 | 28 | FOP106JE2X3*C2A000 |
| 12.0 | 250 | 5 | 42.5 | 40.0 | 26.0 | 37.5 | - | 1.2 | 60 | 720 | 14 | 4.8 | 29 | FOP126JE2X3*C2A000 |
| 15.0 | 250 | 5 | 42.5 | 40.0 | 26.0 | 37.5 | - | 1.2 | 60 | 900 | 14 | 3.8 | 30 | FOP156JE2X3*C2A000 |
| 18.0 | 250 | 5 | 42.5 | 41.5 | 27.5 | 37.5 | - | 1.2 | 60 | 1080 | 14 | 3.2 | 31 | FOP186JE2X3*C2A000 |
| 20.0 | 250 | 5 | 42.5 | 45.0 | 30.0 | 37.5 | - | 1.2 | 60 | 1200 | 14 | 3.1 | 32 | FOP206JE2X3*C2A000 |
| 22.0 | 250 | 5 | 42.5 | 45.0 | 30.0 | 37.5 | - | 1.2 | 60 | 1320 | 14 | 2.9 | 33 | FOP226JE2X3*C2A000 |
| 25.0 | 250 | 5 | 57.0 | 45.0 | 30.0 | 52.5 | 20.3 | 1.2 | 30 | 750 | 18 | 5.0 | 31 | FOP256JE2X5*C4M000 |

| Type：FOP Specification | Dimension |
|---|---|

unit:mm




Front view Side view




Front view Side view

| CAP. *(uF)* | Urms (AC) | TOL. ±% | Dimensions(mm) | | | | | | dv/dt (v/μs) | Ipeak (A) | 10KHz | | Ls (nH) | SCC *P/N* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | *W* | *H* | *T* | *P* | P1 | *dφ* | | | Irms(A) @70℃ | ESR (mΩ) | | |
| 30.0 | 250 | 5 | 57.0 | 45.0 | 30.0 | 52.5 | 20.3 | 1.2 | 30 | 900 | 20 | 4.3 | 32 | FOP306JE2X5*C4M000 |
| 35.0 | 250 | 5 | 57.0 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 30 | 1050 | 23 | 3.7 | 32 | FOP356JE2X5*C4M000 |
| 40.0 | 250 | 5 | 57.0 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 30 | 1200 | 25 | 3.2 | 33 | FOP406JE2X5*C4M000 |
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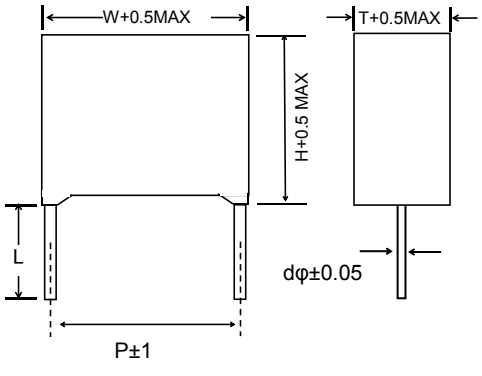
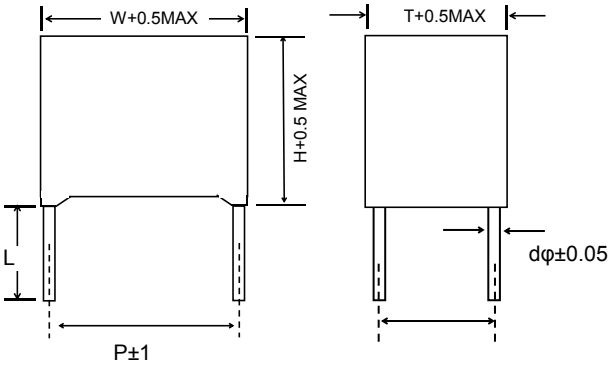
| Type：FOP Specification | Dimension |
|---|---|

unit:mm




Front view Side view

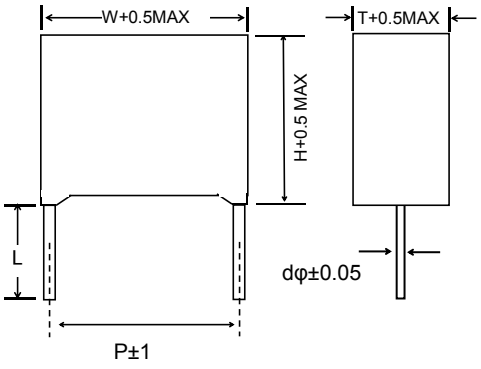



Front view Side view

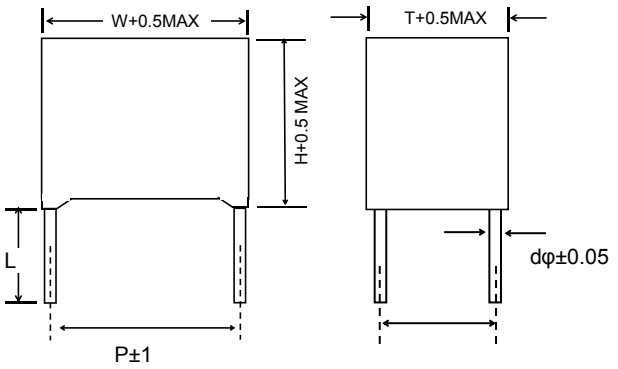
| CAP. *(uF)* | Urms (AC) | TOL. ±% | Dimensions(mm) | | | | | | dv/dt (v/μs) | Ipeak (A) | 10KHz | | Ls (nH) | SCC *P/N* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | *W* | *H* | *T* | *P* | P1 | *dφ* | | | Irms(A) @70℃ | ESR (mΩ) | | |
| 1.0 | 300 | 5 | 32.0 | 20.0 | 11.0 | 27.5 | - | 0.8 | 100 | 100 | 4 | 19.1 | 16 | FOP105JQ1X2*A2A000 |
| 1.5 | 300 | 5 | 32.0 | 22.0 | 13.0 | 27.5 | - | 1.0 | 100 | 150 | 5 | 12.7 | 17 | FOP125JQ1X2*B2A000 |
| 2.0 | 300 | 5 | 32.0 | 24.5 | 15.0 | 27.5 | - | 1.0 | 100 | 200 | 6 | 11.6 | 18 | FOP205JQ1X2*B2A000 |
| 2.2 | 300 | 5 | 32.0 | 24.5 | 15.0 | 27.5 | - | 1.0 | 100 | 220 | 7 | 10.4 | 18 | FOP225JQ1X2*B2A000 |
| 2.5 | 300 | 5 | 32.0 | 28.0 | 14.0 | 27.5 | - | 1.0 | 100 | 250 | 8 | 9.4 | 19 | FOP255JQ1X2*B2A000 |
| 3.0 | 300 | 5 | 32.0 | 33.0 | 18.0 | 27.5 | - | 1.2 | 100 | 300 | 9 | 9.0 | 21 | FOP305JQ1X2*C2A000 |
| 3.3 | 300 | 5 | 32.0 | 33.0 | 18.0 | 27.5 | - | 1.2 | 100 | 330 | 10 | 8.0 | 20 | FOP335JQ1X2*C2A000 |
| 3.5 | 300 | 5 | 32.0 | 33.0 | 18.0 | 27.5 | - | 1.2 | 100 | 350 | 10 | 6.5 | 21 | FOP355JQ1X2*C2A000 |
| 4.0 | 300 | 5 | 32.0 | 33.0 | 18.0 | 27.5 | - | 1.2 | 100 | 400 | 11 | 6.2 | 21 | FOP405JQ1X2*C2A000 |
| 4.7 | 300 | 5 | 32.0 | 35.0 | 21.0 | 27.5 | - | 1.2 | 100 | 470 | 13 | 5.2 | 22 | FOP475JQ1X2*C2A000 |
| 5.0 | 300 | 5 | 32.0 | 35.0 | 21.0 | 27.5 | - | 1.2 | 100 | 500 | 13 | 4.4 | 22 | FOP505JQ1X2*C2A000 |
| 3.0 | 300 | 5 | 42.5 | 26.0 | 14.5 | 37.5 | - | 1.0 | 70 | 210 | 6 | 14.2 | 22 | FOP305JQ1X3*B2A000 |
| 3.3 | 300 | 5 | 42.5 | 26.0 | 14.5 | 37.5 | - | 1.0 | 70 | 231 | 7 | 12.9 | 22 | FOP335JQ1X3*B2A000 |
| 3.5 | 300 | 5 | 42.5 | 26.0 | 14.5 | 37.5 | - | 1.0 | 70 | 245 | 7 | 10.6 | 23 | FOP355JQ1X3*B2A000 |
| 4.0 | 300 | 5 | 42.5 | 30.0 | 17.0 | 37.5 | - | 1.2 | 70 | 280 | 8 | 10.6 | 24 | FOP405JQ1X3*C2A000 |
| 4.5 | 300 | 5 | 42.5 | 30.0 | 17.0 | 37.5 | - | 1.2 | 70 | 315 | 9 | 9.4 | 24 | FOP455JQ1X3*C2A000 |
| 4.7 | 300 | 5 | 42.5 | 30.0 | 17.0 | 37.5 | - | 1.2 | 70 | 329 | 9 | 9.0 | 24 | FOP475JQ1X3*C2A000 |
| 5.0 | 300 | 5 | 42.5 | 31.5 | 18.5 | 37.5 | - | 1.2 | 70 | 350 | 10 | 8.4 | 24 | FOP505JQ1X3*C2A000 |
| 6.0 | 300 | 5 | 42.5 | 31.5 | 18.5 | 37.5 | - | 1.2 | 70 | 420 | 11 | 7.0 | 25 | FOP605JQ1X3*C2A000 |
| 6.8 | 300 | 5 | 42.5 | 37.0 | 22.0 | 37.5 | - | 1.2 | 70 | 476 | 12 | 6.6 | 25 | FOP685JQ1X3*C2A000 |
| 8.0 | 300 | 5 | 42.5 | 37.0 | 22.0 | 37.5 | - | 1.2 | 70 | 560 | 13 | 5.7 | 26 | FOP805JQ1X3*C2A000 |
| 10.0 | 300 | 5 | 42.5 | 40.0 | 26.0 | 37.5 | - | 1.2 | 70 | 700 | 14 | 4.8 | 28 | FOP106JQ1X3*C2A000 |
| 12.0 | 300 | 5 | 42.5 | 41.5 | 27.5 | 37.5 | - | 1.2 | 70 | 840 | 14 | 4.0 | 29 | FOP126JQ1X3*C2A000 |
| 15.0 | 300 | 5 | 42.5 | 45.0 | 30.0 | 37.5 | - | 1.2 | 40 | 1050 | 14 | 3.7 | 30 | FOP156JQ1X3*C2A000 |
| 18.0 | 300 | 5 | 57.0 | 45.0 | 30.0 | 52.5 | 20.3 | 1.2 | 40 | 720 | 17 | 5.5 | 29 | FOP186JQ1X5*C4M000 |

Type：FOP Specification | Dimension

unit:mm




Front view Side view




Front view Side view

| CAP. *(uF)* | Urms (AC) | TOL. ±% | Dimensions(mm) | | | | | | dv/dt (v/μs) | Ipeak (A) | 10KHz | | Ls (nH) | SCC *P/N* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | *W* | *H* | *T* | *P* | P1 | *dφ* | | | Irms(A) @70℃ | ESR (mΩ) | | |
| 20.0 | 300 | 5 | 57.0 | 45.0 | 30.0 | 52.5 | 20.3 | 1.2 | 40 | 800 | 18 | 5.1 | 29 | FOP206JQ1X5*C4M000 |
| 22.0 | 300 | 5 | 57.0 | 45.0 | 35.0 | 52.5 | 20.3 | 1.2 | 40 | 880 | 20 | 4.7 | 30 | FOP226JQ1X5*C4M000 |
| 25.0 | 300 | 5 | 57.0 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 40 | 1000 | 21 | 4.1 | 31 | FOP256JQ1X5*C4M000 |
| 28.0 | 300 | 5 | 57.0 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 40 | 1120 | 23 | 3.6 | 32 | FOP286JQ1X5*C4M000 |
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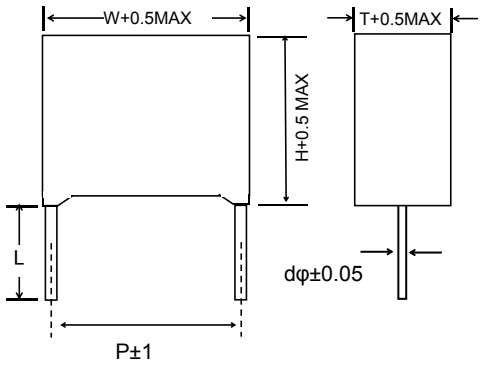
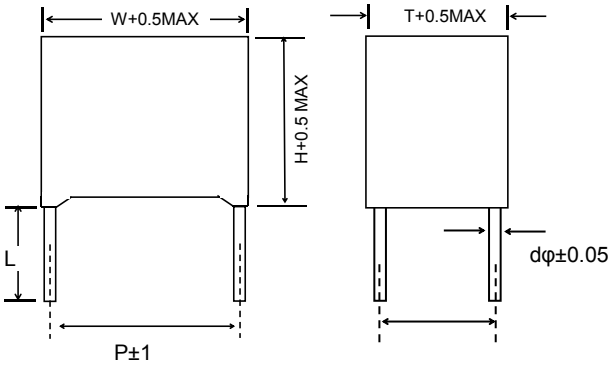
Type：FOP Specification

Dimension

unit:mm




Front view Side view

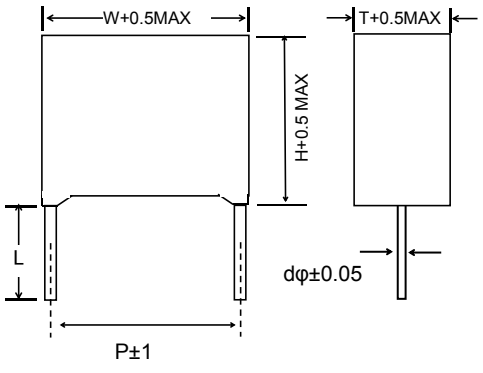



Front view Side view

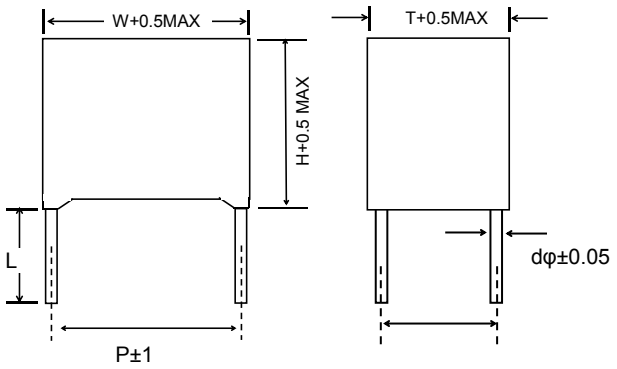
| CAP. *(uF)* | Urms (AC) | TOL. ±% | Dimensions(mm) | | | | | | dv/dt (v/μs) | Ipeak (A) | 10KHz | | Ls (nH) | SCC *P/N* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | *W* | *H* | *T* | *P* | P1 | *dφ* | | | Irms(A) @70℃ | ESR (mΩ) | | |
| 0.33 | 350 | 5 | 32.0 | 18.0 | 9.0 | 27.5 | - | 0.8 | 51 | 17 | 1.6 | 64.7 | 17 | FOP334JR2X2*A2A000 |
| 0.39 | 350 | 5 | 32.0 | 18.0 | 9.0 | 27.5 | - | 0.8 | 51 | 20 | 1.7 | 55.2 | 17 | FOP394JR2X2*A2A000 |
| 0.47 | 350 | 5 | 32.0 | 18.0 | 9.0 | 27.5 | - | 0.8 | 51 | 24 | 1.9 | 46.3 | 17 | FOP474JR2X2*A2A000 |
| 0.68 | 350 | 5 | 32.0 | 20.0 | 11.0 | 27.5 | - | 0.8 | 51 | 35 | 2.5 | 33.0 | 18 | FOP684JR2X2*A2A000 |
| 0.82 | 350 | 5 | 32.0 | 22.0 | 13.0 | 27.5 | - | 1.0 | 51 | 42 | 3.0 | 28.0 | 18 | FOP824JR2X2*B2A000 |
| 1.0 | 350 | 5 | 32.0 | 22.0 | 13.0 | 27.5 | - | 1.0 | 51 | 51 | 3.2 | 23.5 | 18 | FOP105JR2X2*B2A000 |
| 1.5 | 350 | 5 | 32.0 | 24.5 | 15.0 | 27.5 | - | 1.0 | 51 | 76 | 4.2 | 16.8 | 19 | FOP155JR2X2*B2A000 |
| 2.0 | 350 | 5 | 32.0 | 26.0 | 16.0 | 27.5 | - | 1.2 | 51 | 102 | 5.0 | 13.3 | 21 | FOP205JR2X2*C2A000 |
| 2.2 | 350 | 5 | 32.0 | 29.0 | 15.5 | 27.5 | - | 1.2 | 51 | 112 | 5.2 | 12.5 | 20 | FOP225JR2X2*C2A000 |
| 2.5 | 350 | 5 | 32.0 | 33.0 | 18.0 | 27.5 | - | 1.2 | 51 | 127 | 6.2 | 8.4 | 22 | FOP255JR2X2*C2A000 |
| 3.0 | 350 | 5 | 32.0 | 33.0 | 18.0 | 27.5 | - | 1.2 | 51 | 145 | 6.5 | 7.3 | 21 | FOP305JR2X2*C2A000 |
| 3.3 | 350 | 5 | 32.0 | 35.0 | 21.0 | 27.5 | - | 1.2 | 51 | 168 | 7.7 | 6.7 | 24 | FOP335JR2X2*C2A000 |
| 3.5 | 350 | 5 | 32.0 | 35.0 | 21.0 | 27.5 | - | 1.2 | 51 | 178 | 7.9 | 6.5 | 23 | FOP355JR2X2*C2A000 |
| 4.0 | 350 | 5 | 32.0 | 35.0 | 21.0 | 27.5 | - | 1.2 | 51 | 204 | 8.2 | 6.2 | 23 | FOP405JR2X2*C2A000 |
| 1.0 | 350 | 5 | 42.5 | 22.0 | 11.0 | 37.5 | - | 0.8 | 36 | 36 | 2.8 | 33.6 | 24 | FOP105JR2X3*A2A000 |
| 1.5 | 350 | 5 | 42.5 | 22.0 | 11.0 | 37.5 | - | 0.8 | 36 | 55 | 3.7 | 25.1 | 25 | FOP155JR2X3*A2A000 |
| 2.0 | 350 | 5 | 42.5 | 24.0 | 13.0 | 37.5 | - | 1.0 | 36 | 73 | 4.6 | 19.4 | 26 | FOP205JR2X3*B2A000 |
| 2.2 | 350 | 5 | 42.5 | 26.0 | 14.5 | 37.5 | - | 1.0 | 36 | 80 | 4.8 | 17.8 | 25 | FOP225JR2X3*B2A000 |
| 2.5 | 350 | 5 | 42.5 | 26.0 | 14.5 | 37.5 | - | 1.0 | 36 | 91 | 5.3 | 16.0 | 27 | FOP255JR2X3*B2A000 |
| 3.0 | 350 | 5 | 42.5 | 28.5 | 16.0 | 37.5 | - | 1.2 | 36 | 109 | 5.7 | 14.2 | 26 | FOP305JR2X3*C2A000 |
| 3.3 | 350 | 5 | 42.5 | 30.0 | 17.0 | 37.5 | - | 1.2 | 36 | 120 | 6.2 | 13.6 | 29 | FOP335JR2X3*C2A000 |
| 3.5 | 350 | 5 | 42.5 | 30.0 | 17.0 | 37.5 | - | 1.2 | 36 | 128 | 6.4 | 13.0 | 28 | FOP355JR2X3*C2A000 |
| 4.0 | 350 | 5 | 42.5 | 31.5 | 18.5 | 37.5 | - | 1.2 | 36 | 146 | 7.0 | 11.6 | 29 | FOP405JR2X3*C2A000 |
| 4.5 | 350 | 5 | 42.5 | 36.0 | 19.0 | 37.5 | - | 1.2 | 36 | 164 | 8.0 | 10.6 | 31 | FOP455JR2X3*C2A000 |
| 4.7 | 350 | 5 | 42.5 | 36.0 | 19.0 | 37.5 | - | 1.2 | 36 | 170 | 8.0 | 10.2 | 31 | FOP475JR2X3*C2A000 |
| 5.0 | 350 | 5 | 42.5 | 36.0 | 19.0 | 37.5 | - | 1.2 | 36 | 182 | 8.3 | 9.8 | 30 | FOP505JR2X3*C2A000 |

| Type：FOP Specification | Dimension |
|---|---|

unit:mm




Front view Side view

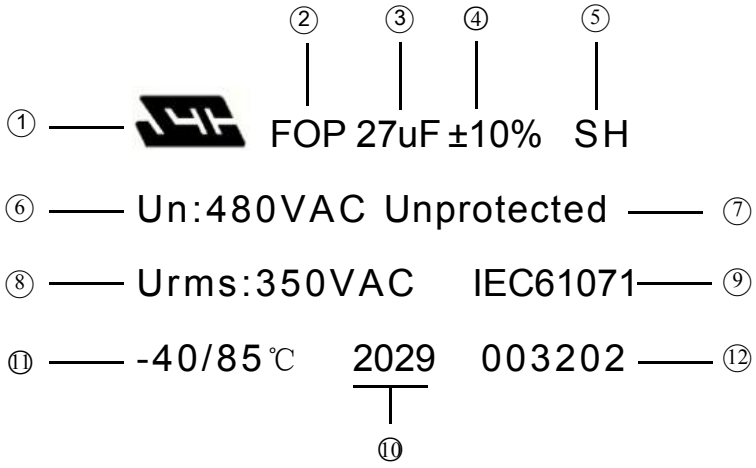



Front view Side view

| CAP. *(uF)* | Urms (AC) | TOL. ±% | Dimensions(mm) | | | | | | dv/dt (v/μs) | Ipeak (A) | 10KHz | | Ls (nH) | SCC *P/N* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | *W* | *H* | *T* | *P* | P1 | *dφ* | | | Irms(A) @70℃ | ESR (mΩ) | | |
| 5.5 | 350 | 5 | 42.5 | 37.0 | 22.0 | 37.5 | - | 1.2 | 36 | 201 | 8.6 | 9.2 | 29 | FOP555JR2X3*C2A000 |
| 6.0 | 350 | 5 | 42.5 | 37.0 | 22.0 | 37.5 | - | 1.2 | 36 | 219 | 9.7 | 8.7 | 32 | FOP605JR2X3*C2A000 |
| 6.5 | 350 | 5 | 42.5 | 38.0 | 25.0 | 37.5 | - | 1.2 | 36 | 237 | 10 | 8.1 | 31 | FOP655JR2X3*C2A000 |
| 6.8 | 350 | 5 | 42.5 | 37.0 | 28.0 | 37.5 | - | 1.2 | 36 | 225 | 10 | 7.9 | 31 | FOP685JR2X3*C2A000 |
| 7.0 | 350 | 5 | 42.5 | 40.0 | 26.0 | 37.5 | - | 1.2 | 36 | 255 | 10.3 | 7.7 | 31 | FOP705JR2X3*C2A000 |
| 7.5 | 350 | 5 | 42.5 | 40.0 | 26.0 | 37.5 | - | 1.2 | 36 | 274 | 10.5 | 7.4 | 30 | FOP755JR2X3*C2A000 |
| 8.0 | 350 | 5 | 42.5 | 40.0 | 26.0 | 37.5 | - | 1.2 | 36 | 292 | 10.5 | 7.1 | 30 | FOP805JR2X3*C2A000 |
| 8.5 | 350 | 5 | 42.5 | 41.5 | 27.5 | 37.5 | - | 1.2 | 36 | 310 | 10.5 | 6.9 | 32 | FOP855JR2X3*C2A000 |
| 9.0 | 350 | 5 | 42.5 | 41.5 | 27.5 | 37.5 | - | 1.2 | 36 | 328 | 10.5 | 6.6 | 31 | FOP905JR2X3*C2A000 |
| 9.5 | 350 | 5 | 42.5 | 45.0 | 30.0 | 37.5 | - | 1.2 | 36 | 347 | 10.5 | 6.3 | 33 | FOP955JR2X3*C2A000 |
| 10.0 | 350 | 5 | 42.5 | 45.0 | 30.0 | 37.5 | - | 1.0 | 36 | 365 | 10.5 | 6.2 | 32 | FOP106JR2X3*B2A000 |
| 10.0 | 350 | 5 | 57.0 | 45.0 | 25.0 | 52.5 | - | 1.2 | 26 | 260 | 11.6 | 8.6 | 34 | FOP106JR2X5*C2A000 |
| 10.0 | 350 | 5 | 57.0 | 45.0 | 25.0 | 52.5 | 10.2 | 1.2 | 26 | 260 | 12.0 | 8.2 | 34 | FOP106JR2X5*C4K000 |
| 11.0 | 350 | 5 | 57.0 | 45.0 | 25.0 | 52.5 | - | 1.2 | 26 | 286 | 11.9 | 8.0 | 33 | FOP116JR2X5*C2A000 |
| 11.0 | 350 | 5 | 57.0 | 45.0 | 25.0 | 52.5 | 10.2 | 1.2 | 26 | 286 | 12.5 | 7.8 | 33 | FOP116JR2X5*C4K000 |
| 12.0 | 350 | 5 | 57.0 | 45.0 | 30.0 | 52.5 | 20.3 | 1.2 | 26 | 312 | 14.1 | 6.6 | 29 | FOP126JR2X5*C4M000 |
| 15.0 | 350 | 5 | 57.0 | 45.0 | 30.0 | 52.5 | 20.3 | 1.2 | 26 | 391 | 16.4 | 5.6 | 31 | FOP156JR2X5*C4M000 |
| 16.0 | 350 | 5 | 57.0 | 45.0 | 35.0 | 52.5 | 20.3 | 1.2 | 26 | 417 | 16.8 | 5.3 | 30 | FOP166JR2X5*C4M000 |
| 18.0 | 350 | 5 | 57.0 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 26 | 469 | 18.1 | 4.8 | 33 | FOP186JR2X5*C4M000 |
| 20.0 | 350 | 5 | 57.0 | 50.0 | 40.0 | 52.5 | 20.3 | 1.2 | 26 | 521 | 19.8 | 4.7 | 32 | FOP206JR2X5*C4M000 |
| 20.0 | 350 | 5 | 57.0 | 55.0 | 35.0 | 52.5 | 20.3 | 1.2 | 26 | 521 | 19.8 | 4.7 | 32 | FOP206JR2X5*C4M001 |
| 21.0 | 350 | 5 | 57.0 | 50.0 | 40.0 | 52.5 | 20.3 | 1.2 | 26 | 547 | 20.1 | 4.6 | 32 | FOP216JR2X5*C4M000 |
| 25.0 | 350 | 5 | 57.0 | 55.0 | 45.0 | 52.5 | 20.3 | 1.2 | 26 | 651 | 22.8 | 4.5 | 34 | FOP256JR2X5*C4M000 |
| 27.0 | 350 | 5 | 57.0 | 55.0 | 45.0 | 52.5 | 20.3 | 1.2 | 26 | 703 | 23.5 | 4.3 | 33 | FOP276JR2X5*C4M000 |
| | | | | | | | | | | | | | | |

| Type：FOP Specification | Marking |
|---|---|

## Marking




① Company Logo: SCC

② Part Name

③ Rated Capacitance

④ Capacitance Tolerance

⑤ Self-healing

⑥ Un

⑦ Without protective device

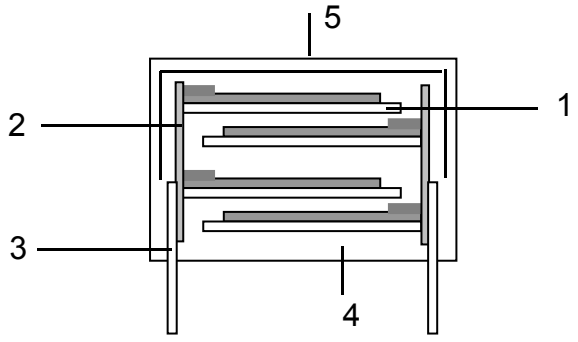
⑧ Urms

⑨ standard

⑩ Date Code (2029； week 29 of 2020)

⑪ Operating temperature

⑫ Production batch number




1. Metallized polypropylene film
2. Metal spray. (Zn+ Tin/Zn)
3. Lead wire(Tin-plated copper wire)
4. Epoxy resin. (UL94V-0、B)
5. PBT Case. (UL94V-0、B)

| Type：FOP Specification | | | Electrical Characteristics | | |
|---|---|---|---|---|---|
| No | 項　目<br>Item | | 性　能<br>Performance | 條　件<br>Test Conditions | 參考標准<br>Reference Standard |
| 1 | 使 用 溫 度 範 圍<br>Operating Temperature Range | | -40°C ～ +105°C<br>(+85℃ to 105℃:decreasing Factor 1.5% per℃ for VR(AC) | | IEC61071:2017<br>4.1.2 |
| 2 | 額 定 電 壓<br>Rated Voltage | | Urms :180VAC,250VAC, 300VAC, 350VAC<br>Un : 250VAC,350VAC, 425VAC, 480VAC | | IEC61071:2017<br>3.0 |
| 3 | 耐電壓<br>Withstand Voltage | 端子間<br>Between Terminals | 無 異 常<br>No abnormality. | Un x 215% (VDC) 10 sec | IEC61071:2017<br>5.5 |
| | | 端子外裝間<br>Between Terminals & Enclosure | | 2000VAC for 10 sec | IEC61071:2017<br>5.6 |
| 4 | 絕 緣 阻 抗<br>Insulation Resistance | | ≧ 3,000 S | Charge time: 60 ±5sec.<br>Charge voltage: 100VDC<br>Test Temp: 20°C | |
| 5 | 靜 電 容 量<br>Capacitance | | 於 指 定 範 圍 內<br>Within specified tolerance | at 1 KHz ±10%<br>Measure voltage at 1 Vrms<br>Test temp: 20°C | IEC61071:2017<br>5.3.2 |
| 6 | 散 逸 因 數<br>Dissipation Factor | | 0.2 % max at 1KHz | Measure voltage at 1 Vrms<br>Test temp: 20°C | IEC61071:2017<br>5.4 |
| 7 | 端子強度<br>Terminal Strength | 抗拉強度<br>Pull Strength | 端 子 不 鬆 斷<br>No cutting or slack of terminals | Wire diameter: 0.6&0.8 mm<br>Load: 1 kg, time: 10 sec.<br>Wire diameter: 1.0& 1.2mm<br>Load: 2 kg, time: 20 sec. | IEC61071:2017<br>5.14.1 |
| | | 扭轉強度<br>Bending Strength | | Wire diameter: 0.6 & 0.8 mm<br>1.0 & 1.2mm<br>90° x 4 time | |
| 8 | 耐 震 性<br>Vibration Proof | | 無 明 顯 異 常<br>No abnormality of the appearance | Frequency range:10-55-10-55 Hz<br>Amplitude: 0.75mm,<br>2 hrs/direction for 3 directions | IEC61071:2017<br>5.14.3 |
| 9 | 穩態濕熱試驗<br>Damp heat Steady state | 外 觀<br>Appearance | 無 明 顯 異 常<br>No abnormality on appearance | Humidity: 93±3% RH<br>Temperature: +40 ±2°C<br>Duration: 1344 hrs + 24/-0 hrs | IEC61071:2017<br>5.13.2 |
| | | 耐 電 壓<br>Withstand Voltage | 依 項 目 3<br>Comply with item 3 | | |
| | | 絕緣阻抗<br>Insulation Resistance | 50% of minimum specified value | | |
| | | 靜電容量變化率<br>Capacitance Change | △C/C≦± 2%<br>Within ±2% | | |
| | | 散 逸 因 數<br>Dissipation Factor | 於 項 目 6 範 圍 以 內<br>Within spec of item 6 above. | | |

| Type：FOP Specification | | | Electrical Characteristics | |
|---|---|---|---|---|
| No | 項　目<br>Item | 性　能<br>Performance | 條　件<br>Test Conditions | 參考標准<br>Reference Standard |
| 10 | 冷熱衝擊<br>Rapid change of Temp | 外　觀<br>Appearance: 無明顯異常<br>No abnormality on appearance | Total: 5 cycles<br><br>Step / temp / time<br>1 / -40±3℃ / 3H<br>2 / +85±3℃ / 3H<br><br>Measure after exposing at normal state for 1-2 hrs. | IEC 61071:2017 5.13 |
| | | 耐　電　壓<br>Withstand Voltage: 依項目 3 Comply with item 3 | | |
| | | 絕緣阻抗<br>Insulation Resistance: 50% of minimum specified value | | |
| | | 靜電容量變化率<br>Capacitance Change: △C/C≦±2%<br>Within ±2% | | |
| | | 散逸因數<br>Dissipation Factor: 於項目 6 範圍以內<br>Within spec of item 6 above. | | |
| 11 | 自愈性<br>Self healing test | 外　觀<br>Appearance: 無明顯異常<br>No abnormality on appearance | Voltage(VDC): 1.5Un<br>Duration: 10s<br>If fewer than five clearing occur during this time, the voltage shall be increased slowly until five clearings have occurred since the start of the test or until the voltage has reached 2.5Un<br>If fewer than five clearings have occurred when the voltage has reached 2.5 Un , for a time of 10s,the test shall be finished. | IEC 61071:2017 5.11 |
| | | 耐　電　壓<br>Withstand Voltage: 依項目 3<br>Comply with item 3 | | |
| | | 絕緣阻抗<br>Insulation Resistance: 50% of minimum specified value | | |
| | | 靜電容量變化率<br>Capacitance Change: △C/C ≦±0.5%<br>Within ±0.5% | | |
| | | 散逸因數<br>Dissipation Factor: ≦1.1* initial tan + 0.01 % | | |
| 12 | 衝擊放電試驗<br>Impact discharge test | 外　觀<br>Appearance: 無明顯異常<br>No abnormality on appearance | Voltage(VDC):1.1 x Un<br>Number of discharges: 5<br>Time lapse: every 2 min (10 min total) | IEC 61071:2017 5.9 |
| | | 耐　電　壓<br>Withstand Voltage: 依項目 3<br>Comply with item 3 | | |
| | | 絕緣阻抗<br>Insulation Resistance: 50% of minimum specified value | | |
| | | 靜電容量變化率<br>Capacitance Change: △C/C≦±1%<br>Within ±1% | | |
| | | 散逸因數<br>Dissipation Factor: ≦1.2 * initial tan + 0.01 % | | |
| 13 | 高溫負荷<br>Endurance Test | 外　觀<br>Appearance: 無明顯異常<br>No abnormality on appearance | Temperature: +85 ±2°C<br>Applied voltage 125%x Un<br>Duration: 1000 +4/-0 hrs | IEC 61071:2017 5.15 |
| | | 耐　電　壓<br>Withstand Voltage: 依項目 3<br>Comply with item 3 | | |
| | | 絕緣阻抗<br>Insulation Resistance: 50% of minimum specified value | | |
| | | 靜電容量變化率<br>Capacitance Change: △C/C≦±3%<br>Within ±3% | | |

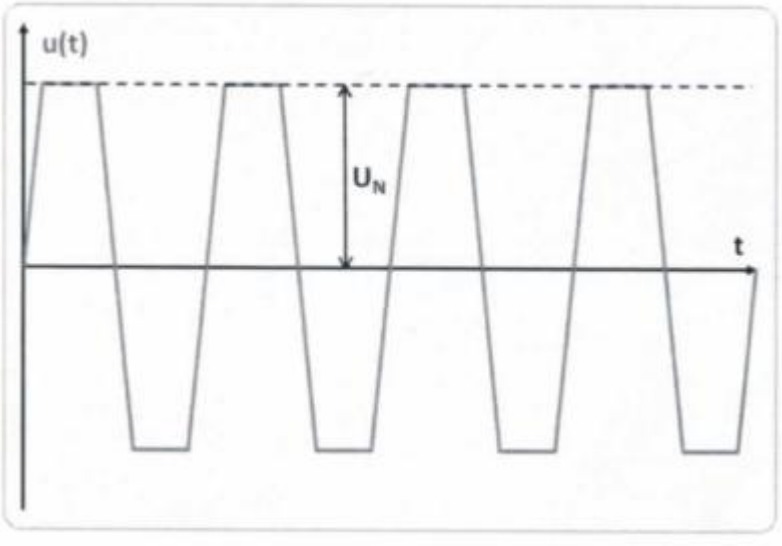
| Type：FOP Specification | | | | Electrical Characteristics | |
|---|---|---|---|---|---|
| 14 | 高濕/負荷試驗<br>Humidity Bias Test | 外　觀<br>Appearance | 無明顯異常<br>No abnormality on appearance | Humidity:90~95%RH<br>Temperature:40±2℃<br>Applied Voltage100%×URMS<br>Duration:1000±24hrs<br><br>Through series resistor of 20~1000Ω/V to the Capacitor<br><br>Measure after exposing at Normal state for 4 hrs | AEC-Q200 |
| | | 耐　電　壓<br>Withstand Voltage | 依項目 3<br>Comply with item 3 | | |
| | | 絕緣阻抗<br>Insulation Resistance | 50% of minimum specified value | | |
| | | 靜電容量變化率<br>Capacitance Change | △C/C≦±10%<br>Within ±10% | | |

1.Urms : 電容器在連續運行過程中允許出現的最大正弦交流電壓的方均根值.

Un: 設計電容器時所採用的反轉型波形的任一極性最高運行峰值週期電壓

--波形可有多種形狀

--波形的平均值可以是正值或負值




2. 電容儲存條件:

溫度: +5 ~ +35℃

濕度: ≦ 75% RH

電容儲存時間:

依周期計算有效期: 兩年. (超出兩年產品電氣特性需重新選別及檢查產品外觀)