

Type 730P, Metallized Polypropylene Film Capacitors

High Frequency, Wrap and Fill

The 730P series is designed and manufactured for use in many demanding power applications. They are non-inductively wound using the most reliable metallized polypropylene film available. A wide range of capacitance values, voltage ratings, lead terminations and sizes offer the designer an array of options to best meet the form, fit and function requirements specified.

Highlights

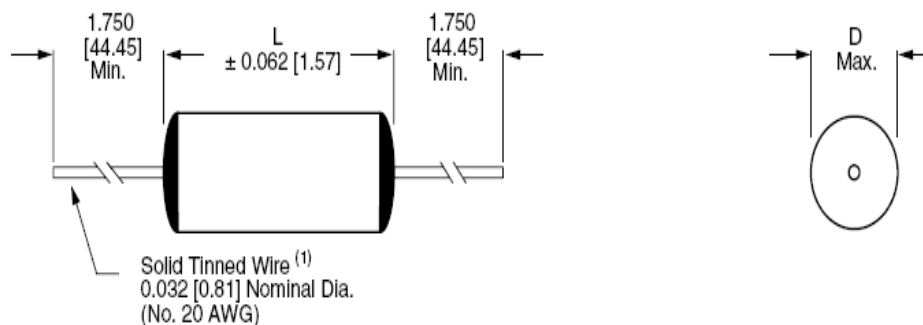
- Excellent AC performance
- Low power dissipation
- Low dielectric absorption
- Close tolerance
- High stability
- Compliant to RoHS directive 2002/95/EC

Specifications

| | |
|------------------------------|--|
| Capacitance Range | 0.022 to 10.0 μ F |
| Capacitance Tolerance | \pm 20% , \pm 10%, \pm 5% |
| Rated Voltage | 100 to 630 Vdc (70 V _{RMS} to 275 V _{RMS} , 60 to 400 Hz) |
| Operating Temperature Range | -55 °C to 85 °C |
| Voltage Derating | At +105 °C, 50% of +85 °C rating |
| ESR | 20 kHz to 100 kHz |
| Dissipation Factor | 0.1% maximum - Measure all units at 1000 Hz, at +25 °C |
| Insulation Resistance | Measured at 100 WVDC after a 2 min charge: At +25 °C: 200 000 M Ω / μ F or 400 000 M Ω minimum At +85 °C: 10 000 M Ω / μ F or 20 000 M Ω minimum At +105 °C: 1000 M Ω / μ F or 2000 M Ω minimum |
| DC Voltage Test | 200% of rated voltage for 2 minutes |
| AC Voltage Test | 130% of rated RMS voltage at 60 Hz for 15 seconds |
| Vibration Test (Condition B) | No mechanical damage, short, open or intermittent circuits |
| DC Life Test | 150% of rated voltage for 1000 h at +85 °C. No open or short circuits. No visible damage. Maximum Δ CAP \pm 1.0% Minimum IR = 50% of initial limit Maximum DF = 0.12% |
| Humidity Test | 95% relative humidity at +40 °C for 250 h. No visible damage. Maximum Δ CAP \pm 1.0% Minimum IR = 20% of initial limit Maximum DF = 0.12% |
| AC Life Test | 110% of rated RMS voltage at 60 Hz for 1000 h at +85 °C Maximum Δ CAP \pm 5% Minimum IR = 50% of initial limit Maximum DF = 0.12% |
| Physical Characteristics | Lead Pull: 5 lb (2.3 g) for one min. No physical damage. Lead Bend: After three complete consecutive bend. No damage. |

RoHS Compliant

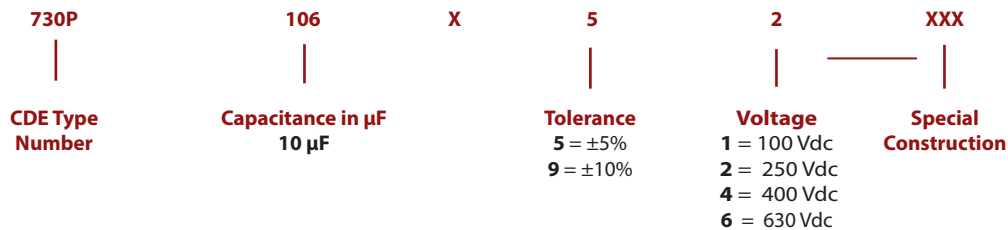
Dimensions



Type 730P, Metallized Polypropylene Film Capacitors

High Frequency, Wrap and Fill

Part Numbering System



Ratings

| CAPACITANCE (μF) | Catalog Part Number | Case Size | | ESR (m Ω) 20 KHz to 100 KHz | Maximum Ripple Current (Arms) at 20 KHz Case Temperature ⁽²⁾ at | | | | | | |
|----------------------------------|------------------------|--------------|-------------|---|--|-------|-------|-------|-------|-------|-------|
| | | D | L | | +25°C | +35°C | +45°C | +55°C | +65°C | +75°C | +85°C |
| | | Inches [MM] | Inches [MM] | | 100VDC | | | | | | |
| 0.22 | 730P224X9100 | 0.275 [7.0] | 0.75 [19.0] | - | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 1.8 | 1.0 |
| 0.27 | 730P274X9100 | 0.298 [7.6] | 0.75 [19.0] | - | 2.6 | 2.6 | 2.6 | 2.6 | 2.4 | 1.9 | 1.1 |
| 0.33 | 730P334X9100 | 0.324 [8.2] | 0.75 [19.0] | - | 2.8 | 2.8 | 2.8 | 2.8 | 2.6 | 2.2 | 1.2 |
| 0.39 | 730P394X9100 | 0.347 [8.8] | 0.75 [19.0] | - | 3.1 | 3.1 | 3.1 | 3.1 | 2.9 | 2.3 | 1.3 |
| 0.47 | 730P474X9100 | 0.376 [9.6] | 0.75 [19.0] | 37 | 3.7 | 3.4 | 3.1 | 2.8 | 2.5 | 2.0 | 1.4 |
| 0.56 | 730P564X9100 | 0.321 [8.2] | 1.00 [25.4] | 35 | 3.9 | 3.6 | 3.3 | 2.9 | 2.6 | 2.1 | 1.5 |
| 0.68 | 730P684X9100 | 0.348 [8.8] | 1.00 [25.4] | 33 | 4.1 | 3.8 | 3.5 | 3.1 | 2.8 | 2.2 | 1.6 |
| 0.82 | 730P824X9100 | 0.377 [9.6] | 1.00 [25.4] | 31 | 4.3 | 4.0 | 3.6 | 3.2 | 2.9 | 2.3 | 1.7 |
| 1.0 | 730P105X9100 | 0.421 [10.7] | 1.00 [25.4] | 26 | 5.5 | 5.1 | 4.7 | 4.2 | 3.6 | 2.8 | 2.6 |
| 1.2 | 730P125X9100 | 0.454 [11.5] | 1.00 [25.4] | 24 | 5.7 | 5.3 | 4.9 | 4.4 | 3.8 | 3.0 | 2.8 |
| 1.5 | 730P155X9100 | 0.500 [12.7] | 1.00 [25.4] | 20 | 6.1 | 5.5 | 5.1 | 4.6 | 4.0 | 3.2 | 3.1 |
| 1.8 | 730P185X9100 | 0.541 [13.7] | 1.00 [25.4] | 19 | 6.3 | 5.7 | 5.3 | 4.8 | 4.1 | 3.4 | 3.0 |
| 2.0 | 730P205X9100 | 0.486 [12.3] | 1.25 [31.8] | 18 | 6.5 | 6.0 | 5.5 | 4.9 | 4.2 | 3.5 | 3.2 |
| 2.2 | 730P225X9100 | 0.507 [12.9] | 1.25 [31.8] | 18 | 6.8 | 6.3 | 5.7 | 5.1 | 4.4 | 3.6 | 3.3 |
| 2.7 | 730P275X9100 | 0.554 [14.1] | 1.25 [31.8] | 17 | 7.1 | 6.5 | 6.0 | 5.3 | 4.6 | 3.7 | 3.4 |
| 3.0 | 730P305X9100 | 0.581 [14.8] | 1.25 [31.8] | 16 | 7.3 | 6.7 | 6.2 | 5.5 | 4.8 | 3.9 | 3.5 |
| 3.3 | 730P335X9100 | 0.606 [15.4] | 1.25 [31.8] | 16 | 7.4 | 6.8 | 6.4 | 5.6 | 4.9 | 4.0 | 3.6 |
| 3.9 | 730P395X9100 | 0.654 [16.6] | 1.25 [31.8] | 15 | 7.6 | 6.9 | 6.6 | 5.8 | 5.1 | 4.1 | 3.7 |
| 4.0 | 730P405X9100 | 0.537 [13.6] | 1.75 [44.5] | 15 | 7.8 | 7.0 | 6.7 | 5.9 | 5.2 | 4.2 | 3.8 |
| 4.7 | 730P475X9100 | 0.577 [14.7] | 1.75 [44.5] | 15 | 8.1 | 7.4 | 6.8 | 6.0 | 5.3 | 4.3 | 3.9 |
| 5.0 | 730P505X9100 | 0.593 [15.1] | 1.75 [44.5] | 14 | 8.3 | 7.6 | 7.0 | 6.2 | 5.4 | 4.4 | 4.0 |
| 5.6 | 730P565X9100 | 0.624 [15.8] | 1.75 [44.5] | 14 | 8.4 | 7.7 | 7.1 | 6.4 | 5.5 | 4.5 | 4.1 |
| 6.0 | 730P605X9100 | 0.644 [16.4] | 1.75 [44.5] | 14 | 8.5 | 7.8 | 7.2 | 6.5 | 5.6 | 4.6 | 4.2 |
| 6.8 | 730P685X9100 | 0.682 [17.3] | 1.75 [44.5] | 13 | 8.5 | 8.0 | 7.4 | 6.7 | 5.7 | 4.7 | 4.3 |
| 8.0 | 730P805X9100 | 0.735 [18.7] | 1.75 [44.5] | 13 | 8.6 | 8.3 | 7.7 | 6.8 | 6.0 | 4.8 | 4.4 |
| 8.2 | 730P825X9100 | 0.743 [18.9] | 1.75 [44.5] | 13 | 8.8 | 8.6 | 8.0 | 7.0 | 6.1 | 4.9 | 4.5 |
| 10.0 | 730P106X9100 | 0.815 [20.7] | 1.75 [44.5] | 12 | 9.0 | 9.0 | 8.5 | 7.6 | 6.6 | 5.4 | 4.9 |

Notes

Other capacitance values and voltage ratings are available upon request

(1) Part Numbers listed are for a capacitance tolerance of $\pm 10\%$. To specify $\pm 20\%$ tolerance, change the "X9" in the Part Number to "X0"; for $\pm 5\%$, from "X9" to "X5".

(2) The peak current pulse capability of these capacitors is 10 A/ μF . The maximum rate voltage change is 10 V/ μs .

Type 730P, Metallized Polypropylene Film Capacitors

High Frequency, Wrap and Fill

| CAPACITANCE (μ F) | Catalog Part Number | Case Size | | ESR (m Ω) 20 KHz to 100 KHz | Maximum Ripple Current (Arms) at 20 KHz Case Temperature ⁽²⁾ at | | | | | | | |
|---------------------------|------------------------|------------------|------------------|---|---|-------|-------|-------|-------|-------|-------|--|
| | | D Inches [MM] | L Inches [MM] | | +25°C | +35°C | +45°C | +55°C | +65°C | +75°C | +85°C | |
| 250VDC | | | | | | | | | | | | |
| 0.1 | 730P104X9250 | 0.279 [7.1] | 0.75 [19.0] | - | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 0.9 | |
| 0.12 | 730P124X9250 | 0.300 [7.6] | 0.75 [19.0] | - | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.7 | 1.1 | |
| 0.15 | 730P154X9250 | 0.327 [8.3] | 0.75 [19.0] | - | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 1.9 | 1.1 | |
| 0.18 | 730P184X9250 | 0.353 [9.0] | 0.75 [19.0] | - | 2.7 | 2.7 | 2.7 | 2.7 | 2.5 | 2.0 | 1.2 | |
| 0.22 | 730P224X9250 | 0.306 [7.8] | 1.00 [25.4] | - | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.3 | |
| 0.27 | 730P274X9250 | 0.333 [8.5] | 1.00 [25.4] | - | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.2 | 1.4 | |
| 0.33 | 730P334X9250 | 0.362 [9.2] | 1.00 [25.4] | - | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.3 | 1.5 | |
| 0.39 | 730P394X9250 | 0.389 [9.9] | 1.00 [25.4] | - | 3.4 | 3.4 | 3.4 | 3.2 | 2.9 | 2.3 | 1.6 | |
| 0.47 | 730P474X9250 | 0.422 [10.7] | 1.00 [25.4] | 35 | 3.8 | 3.7 | 3.6 | 3.4 | 2.9 | 2.4 | 1.7 | |
| 0.56 | 730P564X9250 | 0.464 [11.8] | 1.00 [25.4] | 33 | 3.9 | 3.8 | 3.7 | 3.5 | 3.1 | 2.5 | 1.8 | |
| 0.68 | 730P684X9250 | 0.425 [10.8] | 1.25 [31.8] | 32 | 4.0 | 3.9 | 3.8 | 3.7 | 3.2 | 2.6 | 1.9 | |
| 0.82 | 730P824X9250 | 0.471 [12.0] | 1.25 [31.8] | 31 | 4.2 | 4.1 | 4.0 | 3.9 | 3.4 | 2.8 | 2.0 | |
| 1.0 | 730P105X9250 | 0.513 [13.0] | 1.25 [31.8] | 28 | 4.4 | 4.4 | 4.4 | 4.4 | 4.3 | 3.5 | 3.2 | |
| 1.2 | 730P125X9250 | 0.554 [14.1] | 1.25 [31.8] | 27 | 4.7 | 4.6 | 4.5 | 5.0 | 4.5 | 3.7 | 3.3 | |
| 1.5 | 730P155X9250 | 0.613 [15.6] | 1.25 [31.8] | 26 | 5.1 | 5.0 | 4.9 | 5.4 | 4.7 | 3.9 | 3.5 | |
| 1.8 | 730P185X9250 | 0.667 [17.0] | 1.25 [31.8] | 25 | 5.9 | 5.8 | 5.7 | 5.7 | 5.0 | 4.1 | 3.7 | |
| 2.0 | 730P205X9250 | 0.700 [17.8] | 1.25 [31.8] | 21 | 7.2 | 7.2 | 6.8 | 6.0 | 5.2 | 4.3 | 3.9 | |
| 2.2 | 730P225X9250 | 0.610 [15.5] | 1.75 [44.5] | 20 | 8.4 | 7.5 | 7.0 | 6.3 | 5.4 | 4.5 | 4.1 | |
| 2.7 | 730P275X9250 | 0.669 [17.0] | 1.75 [44.5] | 19 | 8.6 | 7.8 | 7.3 | 6.6 | 5.7 | 4.7 | 4.3 | |
| 3.0 | 730P305X9250 | 0.703 [17.9] | 1.75 [44.5] | 18 | 9.0 | 8.3 | 7.6 | 6.8 | 5.9 | 4.8 | 4.4 | |
| 3.3 | 730P335X9250 | 0.734 [18.6] | 1.75 [44.5] | 18 | 9.0 | 8.4 | 7.8 | 7.0 | 6.0 | 4.9 | 4.5 | |
| 3.9 | 730P395X9250 | 0.794 [20.2] | 1.75 [44.5] | 17 | 9.0 | 8.5 | 8.0 | 7.2 | 6.2 | 5.0 | 4.6 | |
| 4.0 | 730P405X9250 | 0.803 [20.4] | 1.75 [44.5] | 16 | 9.0 | 8.6 | 8.2 | 7.4 | 6.3 | 5.1 | 4.7 | |
| 4.7 | 730P475X9250 | 0.866 [22.0] | 1.75 [44.5] | 16 | 9.0 | 8.8 | 8.5 | 7.7 | 6.6 | 5.3 | 4.9 | |
| 5.0 | 730P505X9250 | 0.892 [22.7] | 1.75 [44.5] | 15 | 9.0 | 9.0 | 8.8 | 7.9 | 6.8 | 5.6 | 5.1 | |
| 5.6 | 730P565X9250 | 0.941 [23.9] | 1.75 [44.5] | 15 | 9.0 | 9.0 | 8.9 | 8.0 | 7.0 | 5.8 | 5.3 | |
| 6.0 | 730P605X9250 | 0.972 [24.7] | 1.75 [44.5] | 15 | 9.0 | 9.0 | 9.0 | 8.2 | 7.2 | 5.9 | 5.5 | |
| 6.8 | 730P685X9250 | 0.882 [22.4] | 2.25 [57.2] | 15 | 9.0 | 9.0 | 9.0 | 8.4 | 7.4 | 6.0 | 5.6 | |
| 8.0 | 730P805X9250 | 0.953 [24.2] | 2.25 [57.2] | 14 | 9.0 | 9.0 | 9.0 | 8.7 | 7.8 | 6.3 | 5.8 | |
| 8.2 | 730P825X9250 | 0.964 [24.5] | 2.25 [57.2] | 14 | 9.0 | 9.0 | 9.0 | 8.8 | 7.9 | 6.4 | 5.9 | |
| 10.0 | 730P106X9250 | 1.060 [26.9] | 2.25 [57.2] | 13 | 9.0 | 9.0 | 9.0 | 8.9 | 8.3 | 6.8 | 6.2 | |
| 400VDC | | | | | | | | | | | | |
| 0.047 | 730P473X9400 | 0.258 [6.6] | 0.75 [19.0] | - | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | |
| 0.056 | 730P563X9400 | 0.275 [7.0] | 0.75 [19.0] | - | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 0.9 | |
| 0.068 | 730P683X9400 | 0.297 [7.5] | 0.75 [19.0] | - | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.0 | |

Notes

Other capacitance values and voltage ratings are available upon request

(1) Part Numbers listed are for a capacitance tolerance of $\pm 10\%$. To specify $\pm 20\%$ tolerance, change the "X9" in the Part Number to "X0";

for $\pm 5\%$, from "X9" to "X5".

(2) The peak current pulse capability of these capacitors is 10 A/ μ F. The maximum rate voltage change is 10 V/ μ s.

Type 730P, Metallized Polypropylene Film Capacitors

High Frequency, Wrap and Fill

| CAPACITANCE (μ F) | Catalog Part Number | Case Size | | ESR (m Ω) 20 KHz to 100 KHz | Maximum Ripple Current (Arms) at 20 KHz Case Temperature ⁽²⁾ at | | | | | | | |
|---------------------------|------------------------|------------------|------------------|---|--|-------|-------|-------|-------|-------|-------|--|
| | | D Inches [MM] | L Inches [MM] | | +25°C | +35°C | +45°C | +55°C | +65°C | +75°C | +85°C | |
| 400VDC | | | | | | | | | | | | |
| 0.082 | 730P823X9400 | 0.320 [8.1] | 0.75 [19.0] | - | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.6 | 1.1 | |
| 0.10 | 730P104X9400 | 0.348 [8.8] | 0.75 [19.0] | - | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.9 | 1.3 | |
| 0.12 | 730P124X9400 | 0.299 [7.6] | 1.00 [25.4] | - | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | |
| 0.15 | 730P154X9400 | 0.328 [8.3] | 1.00 [25.4] | - | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.6 | |
| 0.18 | 730P184X9400 | 0.353 [9.0] | 1.00 [25.4] | - | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 1.7 | |
| 0.22 | 730P224X9400 | 0.385 [9.8] | 1.00 [25.4] | - | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.5 | 1.8 | |
| 0.27 | 730P274X9400 | 0.421 [10.7] | 1.00 [25.4] | - | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 2.7 | 1.9 | |
| 0.33 | 730P334X9400 | 0.469 [11.9] | 1.00 [25.4] | - | 3.8 | 3.8 | 3.8 | 3.8 | 3.5 | 2.9 | 2.0 | |
| 0.39 | 730P394X9400 | 0.503 [12.8] | 1.00 [25.4] | - | 4.1 | 4.1 | 4.1 | 4.1 | 3.7 | 3.1 | 2.1 | |
| 0.47 | 730P474X9400 | 0.545 [13.8] | 1.00 [25.4] | 32.0 | 5.7 | 5.5 | 5.0 | 4.4 | 3.8 | 3.2 | 2.2 | |
| 0.56 | 730P564X9400 | 0.506 [12.9] | 1.25 [31.8] | 31.0 | 5.7 | 5.7 | 5.3 | 4.4 | 4.1 | 3.3 | 2.3 | |
| 0.68 | 730P684X9400 | 0.551 [14.0] | 1.25 [31.8] | 30.0 | 5.7 | 5.7 | 5.5 | 4.8 | 4.3 | 3.5 | 2.4 | |
| 0.82 | 730P824X9400 | 0.599 [15.2] | 1.25 [31.8] | 28.0 | 5.7 | 5.7 | 5.6 | 5.3 | 4.5 | 3.7 | 2.6 | |
| 1.0 | 730P105X9400 | 0.655 [16.6] | 1.25 [31.8] | 27.0 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 4.7 | 4.3 | |
| 1.2 | 730P125X9400 | 0.712 [18.1] | 1.25 [31.8] | 26.0 | 6.3 | 6.2 | 6.0 | 5.9 | 5.8 | 4.9 | 4.5 | |
| 1.5 | 730P155X9400 | 0.658 [16.7] | 1.75 [44.5] | 25.0 | 7.0 | 6.9 | 6.7 | 6.6 | 6.5 | 5.2 | 4.7 | |
| 1.8 | 730P185X9400 | 0.716 [18.2] | 1.75 [44.5] | 23.0 | 8.0 | 7.9 | 7.8 | 7.7 | 6.8 | 5.5 | 5.0 | |
| 2.0 | 730P205X9400 | 0.752 [19.1] | 1.75 [44.5] | 21.0 | 9.0 | 9.0 | 9.0 | 8.0 | 7.0 | 5.7 | 5.2 | |
| 2.2 | 730P225X9400 | 0.786 [20.0] | 1.75 [44.5] | 20.0 | 9.0 | 9.0 | 9.0 | 8.3 | 7.4 | 5.9 | 5.4 | |
| 2.7 | 730P275X9400 | 0.865 [22.0] | 1.75 [44.5] | 19.0 | 9.0 | 9.0 | 9.0 | 8.6 | 7.6 | 6.0 | 5.6 | |
| 3.0 | 730P305X9400 | 0.909 [23.1] | 1.75 [44.5] | 17.0 | 9.0 | 9.0 | 9.0 | 9.0 | 7.9 | 6.4 | 5.9 | |
| 3.3 | 730P335X9400 | 0.951 [24.2] | 1.75 [44.5] | 16.0 | 9.0 | 9.0 | 9.0 | 9.0 | 8.1 | 6.6 | 6.3 | |
| 3.9 | 730P395X9400 | 1.031 [26.2] | 1.75 [44.5] | 15.0 | 9.0 | 9.0 | 9.0 | 9.0 | 8.3 | 6.8 | 6.5 | |
| 630VDC | | | | | | | | | | | | |
| 0.022 | 730P223X9630 | 0.283 [7.2] | 0.75 [19.0] | - | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | |
| 0.027 | 730P273X9630 | 0.307 [7.8] | 0.75 [19.0] | - | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | |
| 0.033 | 730P333X9630 | 0.334 [8.5] | 0.75 [19.0] | - | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.0 | |
| 0.039 | 730P393X9630 | 0.358 [9.1] | 0.75 [19.0] | - | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.0 | |
| 0.047 | 730P473X9630 | 0.388 [9.9] | 0.75 [19.0] | - | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.6 | 1.1 | |
| 0.056 | 730P563X9630 | 0.418 [10.6] | 0.75 [19.0] | - | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 1.7 | 1.2 | |
| 0.068 | 730P683X9630 | 0.346 [8.8] | 1.00 [25.4] | - | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | |
| 0.082 | 730P823X9630 | 0.374 [9.5] | 1.00 [25.4] | - | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | |
| 0.10 | 730P104X9630 | 0.408 [10.4] | 1.00 [25.4] | - | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.6 | |
| 0.12 | 730P124X9630 | 0.443 [11.3] | 1.00 [25.4] | - | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 1.8 | |
| 0.15 | 730P154X9630 | 0.496 [12.6] | 1.00 [25.4] | - | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 1.9 | |
| 0.18 | 730P184X9630 | 0.538 [13.7] | 1.00 [25.4] | - | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 2.7 | 1.9 | |

Notes

Other capacitance values and voltage ratings are available on request

(1) Part Numbers listed are for a capacitance tolerance of $\pm 10\%$. To specify $\pm 20\%$ tolerance, change the "X9" in the Part Number to "X0"; for $\pm 5\%$, from "X9" to "X5".

(2) The peak current pulse capability of these capacitors is 10 A/ μ F. The maximum rate voltage change is 10 V/ μ s.

Type 730P, Metallized Polypropylene Film Capacitors

High Frequency, Wrap and Fill

| CAPACITANCE (μ F) | Catalog Part Number | Case Size | | ESR (m Ω) 20 KHz to 100 KHz | Maximum Ripple Current (Arms) at 20 KHz Case Temperature ⁽²⁾ at | | | | | | | |
|---------------------------|------------------------|------------------|------------------|---|---|-------|-------|-------|-------|-------|-------|--|
| | | D Inches [MM] | L Inches [MM] | | +25°C | +35°C | +45°C | +55°C | +65°C | +75°C | +85°C | |
| 630VDC | | | | | | | | | | | | |
| 0.22 | 730P224X9630 | 0.496 [12.6] | 1.25 [31.8] | - | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.3 | |
| 0.27 | 730P274X9630 | 0.542 [13.8] | 1.25 [31.8] | - | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.3 | |
| 0.33 | 730P334X9630 | 0.593 [15.1] | 1.25 [31.8] | - | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 3.5 | |
| 0.39 | 730P394X9630 | 0.639 [16.2] | 1.25 [31.8] | - | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 4.6 | 3.7 | |
| 0.47 | 730P474X9630 | 0.696 [17.7] | 1.25 [31.8] | 28.0 | 6.8 | 6.3 | 5.8 | 5.2 | 4.5 | 3.6 | 2.6 | |
| 0.56 | 730P564X9630 | 0.608 [15.4] | 1.75 [44.5] | 26.0 | 7.4 | 6.9 | 6.3 | 5.6 | 4.8 | 4.0 | 2.8 | |
| 0.68 | 730P684X9630 | 0.664 [16.9] | 1.75 [44.5] | 25.0 | 7.8 | 7.2 | 6.6 | 5.9 | 5.1 | 4.2 | 2.9 | |
| 0.82 | 730P824X9630 | 0.724 [18.4] | 1.75 [44.5] | 22.0 | 8.1 | 7.5 | 6.9 | 6.2 | 5.3 | 4.3 | 3.1 | |
| 1.0 | 730P105X9630 | 0.794 [20.2] | 1.75 [44.5] | 18.0 | 8.6 | 7.9 | 7.3 | 6.5 | 5.6 | 4.6 | 3.6 | |

Notes

Other capacitance values and voltage ratings are available on request

(1) Part Numbers listed are for a capacitance tolerance of $\pm 10\%$. To specify $\pm 20\%$ tolerance, change the "X9" in the Part Number to "X0"; for $\pm 5\%$, from "X9" to "X5".

(2) The peak current pulse capability of these capacitors is 10 A/ μ F. The maximum rate voltage change is 10 V/ μ s.

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