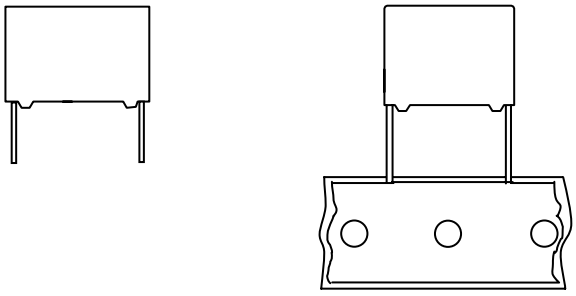
# Metallized Polypropylene film capacitors

# PCMP 384

**MMKP RADIAL POTTED CAPACITORS**

**Pitch 10.0/15.0/22.5/27.5mm**
**(reduced pitch 7.5mm)**



## QUICK REFERENCE DATA

| | |
|---|---|
| Capacitance range (E24 series) | 0.00022 to 1.0μF |
| Capacitance tolerance | ±3.5%, ±5%, ±10% |
| Rated voltage (DC) | 250V, 400V, 630V, 800V, 1000V, 1250V, 1600V, 2000V, 2500V |
| Climatic category | 55/105/56 |
| Temperature range | -55℃ ~ +105℃ |
| Reference specification | IEC 60384-17 / 16 |
| Potting & Encapsulation material | Qualified in accordance with UL94V-0 |

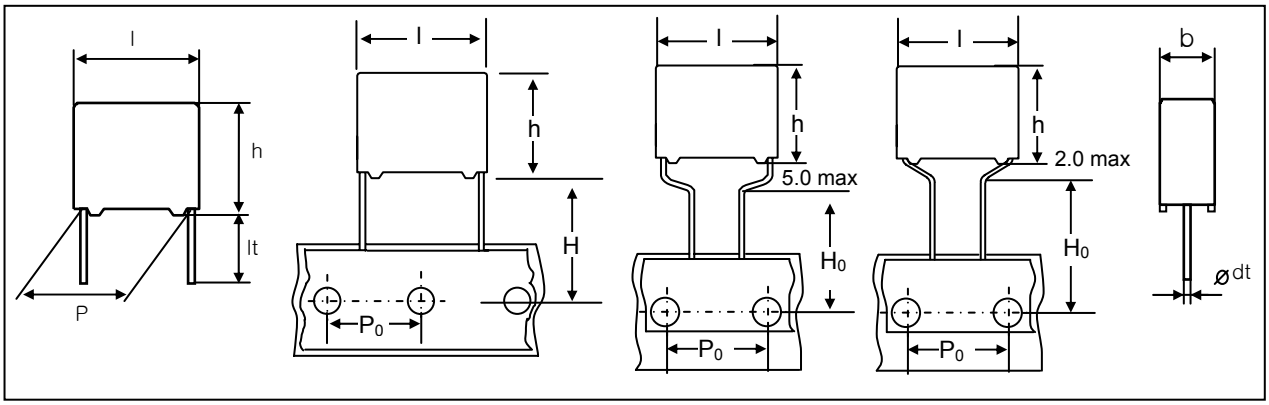
| FEATURES | APPLICATIONS |
|---|---|
| . Double sided metallized electrodes | . Electronic lighting e.g. Ballast |
| . Low contact resistance | . S-correction, Fly-back circuit in television receivers |
| . Low loss dielectric | . UPS, Inverters |
| . Small dimension for high density packaging | . IGBT Snubber |
| . Supplied loose in box and ammo pack | . Protection power semi-conductor |

• Please refer to caution and warning at http://www.pilkor.co.kr/download/Introductions.pdf
before using these products.

# Metallized Polypropylene film capacitors

# PCMP 384

## Ordering Information




**PCMP 384 (X) X X XXX**

**Type series** — **Capacitance**

| Code | Voltage |
|---|---|
| 4 | 250V |
| 5 | 400V |
| 6 | 630V |
| C | 630V mini |
| 1 | 630V (400Vac) |
| M | 800V |
| 7 | 1000V |
| D | 1000V mini |
| N | 1250V |
| 8 | 1600V |
| 9 | 2000V |
| 2 | 2000V(700Vac) |
| 0 | 2500V |

| *Code | Original pitch |
|---|---|
| D | 10.0mm |
| F | 15.0mm |
| J | 22.5mm |
| L | 27.5mm |

*** In case of overlapping the value, use the 13NC with pitch information.**

| Available versions | | | | | Product ($l_{max}$) | | | |
|---|---|---|---|---|---|---|---|---|
| Code | Packing method | C-tol. | Lead length & Height | Hole to hole ( $P_0$ ) | 12.5 | 18.0 | 26.0 | 31.0 |
| | | | | | Pitch (P) | | | |
| 2 | Loose in box | ± 5% | lt = 5.0±1.0mm | - | 10.0 | 15.0 | 22.5 | 27.5 |
| 8 | Loose in box | ±3.5% | lt = 5.0±1.0mm | - | 10.0 | 15.0 | 22.5 | 27.5 |
| H | Loose in box | ±10% | lt = 5.0±1.0mm | - | 10.0 | 15.0 | 22.5 | 27.5 |
| 3 | Loose in box | ± 5% | lt =25.0±2.0mm | - | 10.0 | 15.0 | 22.5 | 27.5 |
| 7 | Loose in box | ±10% | lt =25.0±2.0mm | - | 10.0 | 15.0 | 22.5 | 27.5 |
| 5 | Ammo packing | ± 5% | H=18.5mm | 12.7mm | 10.0 | 15.0 | 22.5 | 27.5 |
| A | Ammo packing | ± 5% | $H_0$=16.0mm | 15.0mm | 7.5(*) | 7.5(*) | - | - |
| C | Ammo packing | ± 5% | $H_0$=16.0mm | 15.0mm | - | 7.5(**) | - | - |

* Reduced pitch (Reduced lead spacings)
** Reduced pitch (Low height)

# Metallized Polypropylene film capacitors



**Packaging Information**

| SMALLEST PACKING QUANTITIES ( SPQ ) | Loose in box |
|---|---|
| | lt = 5.0 ± 1.0mm |
| DIMENSIONS | SPQ |
| 4.0 X 10.0 X 12.5 | 2000 |
| 5.0 X 11.0 X 12.5 | 1500 |
| 6.0 X 12.0 X 12.5 | 1000 |
| 5.0 X 11.0 X 18.0 | 1000 |
| 6.0 X 12.0 X 18.0 | 1000 |
| 7.0 X 13.5 X 18.0 | 1000 |
| 8.5 X 15.0 X 18.0 | 1000 |
| 10.0 X 16.5 X 18.0 | 1000 |
| 6.0 X 15.5 X 26.0 | 1000 |
| 7.0 X 16.5 X 26.0 | 1000 |
| 8.5 X 18.0 X 26.0 | 500 |
| 10.0 X 19.5 X 26.0 | 500 |
| 11.5 X 21.0 X 26.0 | 500 |
| 13.0 X 23.0 X 26.0 | 500 |
| 11.0 X 21.0 X 31.0 | 500 |
| 13.0 X 23.0 X 31.0 | 250 |
| 15.0 X 25.0 X 31.0 | 250 |
| 18.0 X 28.0 X 31.0 | 200 |

# Metallized Polypropylene film capacitors

# PCMP 384

$V_{Rdc}$ = 250 V  $V_{Rac}$ = 125 V~

| Cap (µF) | b x h x l (mm) | Mess (g) | CATALOGUE NUMBER PCMP 384 ..... loose in box lt = 5.0 ± 1.0 mm C – tol. ± 5 % | CATALOGUE NUMBER PCMP 384 ..... ammo packing H = 16.0 mm Reduced pitch(7.5mm) C – tol. ± 5 % |
|---|---|---|---|---|
| Pitch = 10.0 ± 0.4 mm dt = 0.6 +0.06/-0.05 mm | | | | |
| 0.010 | 4.0 x 10.0 x 12.5 | 0.8 | PCMP 384 42103 | PCMP 384 4A103 |
| 0.011 | | | PCMP 384 42113 | PCMP 384 4A113 |
| 0.012 | | | PCMP 384 42123 | PCMP 384 4A123 |
| 0.013 | | | PCMP 384 42133 | PCMP 384 4A133 |
| 0.015 | | | PCMP 384 42153 | PCMP 384 4A153 |
| 0.016 | | | PCMP 384 42163 | PCMP 384 4A163 |
| 0.018 | | | PCMP 384 42183 | PCMP 384 4A183 |
| 0.020 | | | PCMP 384 42203 | PCMP 384 4A203 |
| 0.022 | | | PCMP 384 42223 | PCMP 384 4A223 |
| 0.024 | | | PCMP 384 42243 | PCMP 384 4A243 |
| 0.027 | | | PCMP 384 42273 | PCMP 384 4A273 |
| 0.030 | | | PCMP 384 42303 | PCMP 384 4A303 |
| 0.033 | | | PCMP 384 42333 | PCMP 384 4A333 |
| 0.036 | | | PCMP 384 42363 | PCMP 384 4A363 |
| 0.039 | | | PCMP 384 42393 | PCMP 384 4A393 |
| 0.043 | 5.0 x 11.0 x 12.5 | 0.9 | PCMP 384 42433 | PCMP 384 4A433 |
| 0.047 | | | PCMP 384 42473 | PCMP 384 4A473 |
| 0.051 | | | PCMP 384 42513 | PCMP 384 4A513 |
| 0.056 | | | PCMP 384 42563 | PCMP 384 4A563 |
| 0.062 | 6.0 x 12.0 x 12.5 | 1.0 | PCMP 384 42623 | PCMP 384 4A623 |
| 0.068 | | | PCMP 384D42683 | PCMP 384D4A683 |
| 0.075 | | | PCMP 384D42753 | PCMP 384D4A753 |
| 0.082 | | | PCMP 384D42823 | PCMP 384D4A823 |
| Pitch = 15.0 ± 0.4 mm dt = 0.8 +0.08/-0.05 mm | | | | |
| 0.068 | 5.0 x 11.0 x 18.0 | 1.2 | PCMP 384 42683 | PCMP 384 4A683 |
| 0.075 | | | PCMP 384 42753 | PCMP 384 4A753 |
| 0.082 | | | PCMP 384 42823 | PCMP 384 4A823 |
| 0.091 | | | PCMP 384 42913 | PCMP 384 4A913 |
| 0.10 | | | PCMP 384 42104 | PCMP 384 4A104 |
| 0.11 | 6.0 x 12.0 x 18.0 | 1.4 | PCMP 384 42114 | PCMP 384 4A114 |
| 0.12 | | | PCMP 384 42124 | PCMP 384 4A124 |
| 0.13 | | | PCMP 384 42134 | PCMP 384 4A134 |
| 0.15 | | | PCMP 384 42154 | PCMP 384 4A154 |

# Metallized Polypropylene film capacitors

# PCMP 384

$V_{Rdc}$ = 400 V  $V_{Rac}$ = 220 V~

| Cap (µF) | b x h x l (mm) | Mess (g) | CATALOGUE NUMBER PCMP 384 ..... loose in box lt = 5.0 ± 1.0 mm C – tol. ± 5 % | CATALOGUE NUMBER PCMP 384 ..... ammo packing H = 16.0 mm Reduced pitch(7.5mm) C – tol. ± 5 % |
|---|---|---|---|---|
| Pitch = 10.0 ± 0.4 mm dt = 0.6 +0.06/-0.05 mm | | | | |
| 0.010 | 4.0 x 10.0 x 12.5 | 0.8 | PCMP 384 52103 | PCMP 384 5A103 |
| 0.011 | | | PCMP 384 52113 | PCMP 384 5A113 |
| 0.012 | | | PCMP 384 52123 | PCMP 384 5A123 |
| 0.013 | | | PCMP 384 52133 | PCMP 384 5A133 |
| 0.015 | | | PCMP 384 52153 | PCMP 384 5A153 |
| 0.016 | | | PCMP 384 52163 | PCMP 384 5A163 |
| 0.018 | | | PCMP 384 52183 | PCMP 384 5A183 |
| 0.020 | | | PCMP 384 52203 | PCMP 384 5A203 |
| 0.022 | | | PCMP 384 52223 | PCMP 384 5A223 |
| 0.024 | 5.0 x 11.0 x 12.5 | 0.9 | PCMP 384 52243 | PCMP 384 5A243 |
| 0.027 | | | PCMP 384 52273 | PCMP 384 5A273 |
| 0.030 | | | PCMP 384 52303 | PCMP 384 5A303 |
| 0.033 | | | PCMP 384 52333 | PCMP 384 5A333 |
| 0.036 | 6.0 x 12.0 x 12.5 | 1.0 | PCMP 384D52363 | PCMP 384D5A363 |
| 0.039 | | | PCMP 384D52393 | PCMP 384D5A393 |
| 0.043 | | | PCMP 384D52433 | PCMP 384D5A433 |
| 0.047 | | | PCMP 384D52473 | PCMP 384D5A473 |
| Pitch = 15.0 ± 0.4 mm dt = 0.8 +0.08/-0.05 mm | | | | |
| 0.036 | 5.0 x 11.0 x 18.0 | 1.2 | PCMP 384 52363 | PCMP 384 5A363 |
| 0.039 | | | PCMP 384 52393 | PCMP 384 5A393 |
| 0.043 | | | PCMP 384 52433 | PCMP 384 5A433 |
| 0.047 | | | PCMP 384 52473 | PCMP 384 5A473 |
| 0.051 | | | PCMP 384 52513 | PCMP 384 5A513 |
| 0.056 | | | PCMP 384 52563 | PCMP 384 5A563 |
| 0.062 | 6.0 x 12.0 x 18.0 | 1.4 | PCMP 384 52623 | PCMP 384 5A623 |
| 0.068 | | | PCMP 384 52683 | PCMP 384 5A683 |
| 0.075 | | | PCMP 384 52753 | PCMP 384 5A753 |
| 0.082 | | | PCMP 384 52823 | PCMP 384 5A823 |
| 0.091 | 7.0 x 13.5 x 18.0 | 1.9 | PCMP 384 52913 | PCMP 384 5A913 |
| 0.10 | | | PCMP 384 52104 | PCMP 384 5A104 |
| 0.11 | | | PCMP 384 52114 | PCMP 384 5A114 |

# Metallized Polypropylene film capacitors

# PCMP 384

$V_{Rdc}$ = 630 V  $V_{Rac}$ = 250 V~

| Cap (µF) | b x h x l (mm) | Mess (g) | CATALOGUE NUMBER PCMP 384 ..... loose in box lt = 5.0 ± 1.0 mm C – tol. ± 5 % | CATALOGUE NUMBER PCMP 384 ..... ammo packing H = 16.0 mm Reduced pitch(7.5mm) C – tol. ± 5 % |
|---|---|---|---|---|
| Pitch = 10.0 ± 0.4 mm dt = 0.6 +0.06/-0.05 mm | | | | |
| 0.0047 | 4.0 x 10.0 x 12.5 | 0.8 | PCMP 384 C2472 | PCMP 384 CA472 |
| 0.0051 | | | PCMP 384 C2512 | PCMP 384 CA512 |
| 0.0056 | | | PCMP 384 C2562 | PCMP 384 CA562 |
| 0.0062 | | | PCMP 384 C2622 | PCMP 384 CA622 |
| 0.0068 | | | PCMP 384 C2682 | PCMP 384 CA682 |
| 0.0075 | | | PCMP 384 C2752 | PCMP 384 CA752 |
| 0.0082 | | | PCMP 384 C2822 | PCMP 384 CA822 |
| 0.0091 | | | PCMP 384 C2912 | PCMP 384 CA912 |
| 0.010 | | | PCMP 384 C2103 | PCMP 384 CA103 |
| 0.011 | | | PCMP 384 C2113 | PCMP 384 CA113 |
| 0.012 | | | PCMP 384 C2123 | PCMP 384 CA123 |
| 0.013 | | | PCMP 384 C2133 | PCMP 384 CA133 |
| 0.015 | 5.0 x 11.0 x 12.5 | 0.9 | PCMP 384 C2153 | PCMP 384 CA153 |
| 0.016 | | | PCMP 384 C2163 | PCMP 384 CA163 |
| 0.018 | | | PCMP 384 C2183 | PCMP 384 CA183 |
| 0.020 | | | PCMP 384 C2203 | PCMP 384 CA203 |
| 0.022 | | | PCMP 384 C2223 | PCMP 384 CA223 |
| 0.024 | 6.0 x 12.0 x 12.5 | 1.0 | PCMP 384 C2243 | PCMP 384 CA243 |
| 0.027 | | | PCMP 384 C2273 | PCMP 384 CA273 |
| 0.030 | | | PCMP 384DC2303 | PCMP 384DCA303 |
| Pitch = 15.0 ± 0.4 mm dt = 0.8 +0.08/-0.05 mm | | | | |
| 0.010 | 5.0 x 11.0 x 18.0 | 1.2 | PCMP 384 62103 | PCMP 384 6A103 |
| 0.011 | | | PCMP 384 62113 | PCMP 384 6A113 |
| 0.012 | | | PCMP 384 62123 | PCMP 384 6A123 |
| 0.013 | | | PCMP 384 62133 | PCMP 384 6A133 |
| 0.015 | | | PCMP 384 62153 | PCMP 384 6A153 |
| 0.016 | | | PCMP 384 62163 | PCMP 384 6A163 |
| 0.018 | | | PCMP 384 62183 | PCMP 384 6A183 |
| 0.020 | | | PCMP 384 62203 | PCMP 384 6A203 |
| 0.022 | | | PCMP 384 62223 | PCMP 384 6A223 |
| 0.024 | | | PCMP 384 62243 | PCMP 384 6A243 |
| 0.027 | | | PCMP 384 62273 | PCMP 384 6A273 |
| 0.030 | | | PCMP 384 C2303 | PCMP 384 CA303 |
| 0.033 | | | PCMP 384 C2333 | PCMP 384 CA333 |
| 0.036 | | | PCMP 384 C2363 | PCMP 384 CA363 |
| 0.039 | 6.0 x 12.0 x 18.0 | 1.4 | PCMP 384 C2393 | PCMP 384 CA393 |
| 0.043 | | | PCMP 384 C2433 | PCMP 384 CA433 |
| 0.047 | | | PCMP 384 C2473 | PCMP 384 CA473 |
| 0.051 | | | PCMP 384 C2513 | PCMP 384 CA513 |
| 0.056 | | | PCMP 384 C2563 | PCMP 384 CA563 |
| 0.062 | 7.0 x 13.5 x 18.0 | 1.9 | PCMP 384 C2623 | PCMP 384 CA623 |
| 0.068 | | | PCMP 384 C2683 | PCMP 384 CA683 |
| 0.075 | | | PCMP 384 C2753 | PCMP 384 CA753 |
| 0.082 | 8.5 x 15.0 x 18.0 | 2.6 | PCMP 384 C2823 | PCMP 384 CA823 |
| 0.091 | | | PCMP 384 C2913 | PCMP 384 CA913 |
| 0.10 | | | PCMP 384 C2104 | PCMP 384 CA104 |
| 0.11 | | | PCMP 384 C2114 | PCMP 384 CA114 |

# Metallized Polypropylene film capacitors

# PCMP 384

$V_{Rdc}$ = 630 V  $V_{Rac}$ = 400 V~

| Cap (µF) | b x h x l (mm) | Mess (g) | CATALOGUE NUMBER PCMP 384 ..... loose in box lt = 5.0 ± 1.0 mm C – tol. ± 5 % | CATALOGUE NUMBER PCMP 384 ..... ammo packing H = 16.0 mm Reduced pitch(7.5mm) C – tol. ± 5 % |
|---|---|---|---|---|
| Pitch = 10.0 ± 0.4 mm dt = 0.6 +0.06/-0.05 mm | | | | |
| 0.0010 | 4.0 x 10.0 x 12.5 | 0.8 | PCMP 384 12102 | PCMP 384 1A102 |
| 0.0011 | | | PCMP 384 12112 | PCMP 384 1A112 |
| 0.0012 | | | PCMP 384 12122 | PCMP 384 1A122 |
| 0.0013 | | | PCMP 384 12132 | PCMP 384 1A132 |
| 0.0015 | | | PCMP 384 12152 | PCMP 384 1A152 |
| 0.0016 | | | PCMP 384 12162 | PCMP 384 1A162 |
| 0.0018 | | | PCMP 384 12182 | PCMP 384 1A182 |
| 0.0020 | | | PCMP 384 12202 | PCMP 384 1A202 |
| 0.0022 | | | PCMP 384 12222 | PCMP 384 1A222 |
| 0.0024 | | | PCMP 384 12242 | PCMP 384 1A242 |
| 0.0027 | | | PCMP 384 12272 | PCMP 384 1A272 |
| 0.0030 | | | PCMP 384 12302 | PCMP 384 1A302 |
| 0.0033 | | | PCMP 384 12332 | PCMP 384 1A332 |
| 0.0036 | | | PCMP 384 12362 | PCMP 384 1A362 |
| 0.0039 | | | PCMP 384 12392 | PCMP 384 1A392 |
| 0.0043 | | | PCMP 384 12432 | PCMP 384 1A432 |
| 0.0047 | | | PCMP 384 12472 | PCMP 384 1A472 |
| 0.0051 | | | PCMP 384 12512 | PCMP 384 1A512 |
| 0.0056 | | | PCMP 384 12562 | PCMP 384 1A562 |
| 0.0062 | | | PCMP 384 12622 | PCMP 384 1A622 |
| 0.0068 | | | PCMP 384 12682 | PCMP 384 1A682 |
| 0.0075 | | | PCMP 384 12752 | PCMP 384 1A752 |
| 0.0082 | | | PCMP 384 12822 | PCMP 384 1A822 |
| 0.0091 | 5.0 x 11.0 x 12.5 | 0.9 | PCMP 384 12912 | PCMP 384 1A912 |
| 0.010 | | | PCMP 384 12103 | PCMP 384 1A103 |
| 0.011 | | | PCMP 384 12113 | PCMP 384 1A113 |
| 0.012 | | | PCMP 384 12123 | PCMP 384 1A123 |
| 0.013 | 6.0 x 12.0 x 12.5 | 1.0 | PCMP 384 12133 | PCMP 384 1A133 |
| 0.015 | | | PCMP 384 12153 | PCMP 384 1A153 |
| 0.016 | | | PCMP 384 12163 | PCMP 384 1A163 |
| 0.018 | | | PCMP 384 12183 | PCMP 384 1A183 |
| Pitch = 15.0 ± 0.4 mm dt = 0.8 +0.08/-0.05 mm | | | | |
| 0.020 | 5.0 x 11.0 x 18.0 | 1.2 | PCMP 384 12203 | PCMP 384 1A203 |
| 0.022 | | | PCMP 384 12223 | PCMP 384 1A223 |
| 0.024 | | | PCMP 384 12243 | PCMP 384 1A243 |
| 0.027 | | | PCMP 384 12273 | PCMP 384 1A273 |
| 0.030 | 6.0 x 12.0 x 18.0 | 1.4 | PCMP 384 12303 | PCMP 384 1A303 |
| 0.033 | | | PCMP 384 12333 | PCMP 384 1A333 |
| 0.036 | | | PCMP 384 12363 | PCMP 384 1A363 |
| 0.039 | | | PCMP 384 12393 | PCMP 384 1A393 |
| 0.043 | 7.0 x 13.5 x 18.0 | 1.9 | PCMP 384 12433 | PCMP 384 1A433 |
| 0.047 | | | PCMP 384 12473 | PCMP 384 1A473 |
| 0.051 | 8.5 x 15.0 x 18.0 | 2.6 | PCMP 384 12513 | PCMP 384 1A513 |
| 0.056 | | | PCMP 384 12563 | PCMP 384 1A563 |
| 0.062 | | | PCMP 384 12623 | PCMP 384 1A623 |
| 0.068 | | | PCMP 384 12683 | PCMP 384 1A683 |
| 0.075 | 10.0 x 16.5 x 18.0 | 3.1 | PCMP 384 12753 | PCMP 384 1A753 |
| 0.082 | | | PCMP 384 12823 | PCMP 384 1A823 |
| 0.091 | | | PCMP 384 12913 | PCMP 384 1A913 |
| 0.10 | | | PCMP 384 12104 | PCMP 384 1A104 |

# Metallized Polypropylene film capacitors

# PCMP 384

$V_{Rdc}$ = 630 V $V_{Rac}$ = 400 V~

| Cap (µF) | b x h x l (mm) | Mess (g) | CATALOGUE NUMBER PCMP 384 ..... loose in box lt = 5.0 ± 1.0 mm C – tol. ± 5 % | CATALOGUE NUMBER PCMP 384 ..... ammo packing H = 16.0 mm Reduced pitch(7.5mm) C – tol. ± 5 % |
|---|---|---|---|---|
| Pitch = 22.5 ± 0.4 mm dt = 0.8 +0.08/-0.05 mm | | | | |
| 0.10 | 7.0 x 16.5 x 26.0 | 3.2 | PCMP 384J12104 | - |
| 0.11 | | | PCMP 384 12114 | - |
| 0.12 | | | PCMP 384 12124 | - |
| 0.13 | 8.5 x 18.0 x 26.0 | 4.4 | PCMP 384 12134 | - |
| 0.15 | | | PCMP 384 12154 | - |
| 0.16 | | | PCMP 384 12164 | - |
| 0.18 | | | PCMP 384 12184 | - |
| 0.20 | 10.0 x 19.5 x 26.0 | 5.5 | PCMP 384 12204 | - |
| 0.22 | | | PCMP 384 12224 | - |
| 0.24 | 11.5 x 21.0 x 26.0 | 6.7 | PCMP 384 12244 | - |
| 0.27 | | | PCMP 384 12274 | - |
| 0.28 | | | PCMP 384 12284 | - |
| 0.30 | 13.0 x 23.0 x 26.0 | 8.0 | PCMP 384 12304 | - |
| 0.33 | | | PCMP 384 12334 | - |
| Pitch = 27.5 ± 0.4 mm dt = 0.8 +0.08/-0.05 mm | | | | |
| 0.24 | 11.0 x 21.0 x 31.0 | 7.8 | PCMP 384L12244 | - |
| 0.27 | | | PCMP 384L12274 | - |
| 0.30 | | | PCMP 384L12304 | - |
| 0.33 | 13.0 x 23.0 x 31.0 | 10.4 | PCMP 384L12334 | - |
| 0.36 | | | PCMP 384 12364 | - |
| 0.39 | | | PCMP 384 12394 | - |
| 0.43 | | | PCMP 384 12434 | - |
| 0.47 | 15.0 x 25.0 x 31.0 | 12.8 | PCMP 384 12474 | - |
| 0.51 | | | PCMP 384 12514 | - |
| 0.56 | | | PCMP 384 12564 | - |
| 0.62 | 18.0 x 28.0 x 31.0 | 17.2 | PCMP 384 12624 | - |
| 0.68 | | | PCMP 384 12684 | - |
| 0.75 | | | PCMP 384 12754 | - |
| 0.82 | | | PCMP 384 12824 | - |

# Metallized Polypropylene film capacitors

# PCMP 384

$V_{Rdc}$ = 800 V  $V_{Rac}$ = 450 V~

| Cap (µF) | b x h x l (mm) | Mess (g) | CATALOGUE NUMBER PCMP 384 ..... loose in box lt = 5.0 ± 1.0 mm C – tol. ± 5 % | CATALOGUE NUMBER PCMP 384 ..... ammo packing H = 16.0 mm Reduced pitch(7.5mm) C – tol. ± 5 % |
|---|---|---|---|---|
| Pitch = 15.0 ± 0.4 mm dt = 0.8 +0.08/-0.05 mm | | | | |
| 0.010 | 5.0 x 11.0 x 18.0 | 1.2 | PCMP 384 M2103 | PCMP 384 MA103 |
| 0.011 | | | PCMP 384 M2113 | PCMP 384 MA113 |
| 0.012 | | | PCMP 384 M2123 | PCMP 384 MA123 |
| 0.013 | | | PCMP 384 M2133 | PCMP 384 MA133 |
| 0.015 | | | PCMP 384 M2153 | PCMP 384 MA153 |
| 0.016 | | | PCMP 384 M2163 | PCMP 384 MA163 |
| 0.018 | | | PCMP 384 M2183 | PCMP 384 MA183 |
| 0.020 | 6.0 x 12.0 x 18.0 | 1.4 | PCMP 384 M2203 | PCMP 384 MA203 |
| 0.022 | | | PCMP 384 M2223 | PCMP 384 MA223 |
| 0.027 | 7.0 x 13.5 x 18.0 | 1.9 | PCMP 384 M2273 | PCMP 384 MA273 |
| 0.033 | | | PCMP 384 M2333 | PCMP 384 MA333 |
| 0.039 | 8.5 x 15.0 x 18.0 | 2.6 | PCMP 384 M2393 | PCMP 384 MA393 |
| 0.047 | | | PCMP 384 M2473 | PCMP 384 MA473 |
| 0.056 | 10.0 x 16.5 x 18.0 | 3.1 | PCMP 384 M2563 | PCMP 384 MA563 |
| 0.068 | | | PCMP 384 M2683 | PCMP 384 MA683 |

# Metallized Polypropylene film capacitors

# PCMP 384

$V_{Rdc}$ = 1000 V  $V_{Rac}$ = 500 V~

| Cap (µF) | b x h x l (mm) | Mess (g) | CATALOGUE NUMBER PCMP 384 ..... loose in box lt = 5.0 ± 1.0 mm C – tol. ± 5 % | CATALOGUE NUMBER PCMP 384 ..... ammo packing H = 16.0 mm Reduced pitch(7.5mm) C – tol. ± 5 % |
|---|---|---|---|---|
| Pitch = 10.0 ± 0.4 mm dt = 0.6 +0.06/-0.05 mm | | | | |
| 0.00047 | 4.0 x 10.0 x 12.5 | 0.8 | PCMP 384DDH471(*) | - (*) |
| 0.00056 | | | PCMP 384DDH561(*) | - (*) |
| 0.00068 | | | PCMP 384DDH681(*) | - (*) |
| 0.00082 | | | PCMP 384DDH821(*) | - (*) |
| 0.0010 | 4.0 x 10.0 x 12.5 | 0.8 | PCMP 384 D2102 | PCMP 384 DA102 |
| 0.0011 | | | PCMP 384 D2112 | PCMP 384 DA112 |
| 0.0012 | | | PCMP 384 D2122 | PCMP 384 DA122 |
| 0.0013 | | | PCMP 384 D2132 | PCMP 384 DA132 |
| 0.0015 | | | PCMP 384 D2152 | PCMP 384 DA152 |
| 0.0016 | | | PCMP 384 D2162 | PCMP 384 DA162 |
| 0.0018 | | | PCMP 384 D2182 | PCMP 384 DA182 |
| 0.0020 | | | PCMP 384 D2202 | PCMP 384 DA202 |
| 0.0022 | | | PCMP 384 D2222 | PCMP 384 DA222 |
| 0.0024 | | | PCMP 384 D2242 | PCMP 384 DA242 |
| 0.0027 | | | PCMP 384 D2272 | PCMP 384 DA272 |
| 0.0030 | | | PCMP 384 D2302 | PCMP 384 DA302 |
| 0.0033 | | | PCMP 384 D2332 | PCMP 384 DA332 |
| 0.0036 | 5.0 x 11.0 x 12.5 | 0.9 | PCMP 384 D2362 | PCMP 384 DA362 |
| 0.0039 | | | PCMP 384 D2392 | PCMP 384 DA392 |
| 0.0043 | | | PCMP 384 D2432 | PCMP 384 DA432 |
| 0.0047 | | | PCMP 384 D2472 | PCMP 384 DA472 |
| 0.0051 | 6.0 x 12.0 x12.5 | 1.0 | PCMP 384 D2512 | PCMP 384 DA512 |
| 0.0056 | | | PCMP 384 D2562 | PCMP 384 DA562 |
| 0.0062 | | | PCMP 384 D2622 | PCMP 384 DA622 |
| 0.0068 | | | PCMP 384 D2682 | PCMP 384 DA682 |
| Pitch = 15.0 ± 0.4 mm dt = 0.8 +0.08/-0.05 mm | | | | |
| 0.00022 | 5.0 x 11.0 x 18.0 | 1.2 | PCMP 384 DH221(*) | - (*) |
| 0.00027 | | | PCMP 384 DH271(*) | - (*) |
| 0.00033 | | | PCMP 384 DH331(*) | - (*) |
| 0.00039 | | | PCMP 384 DH391(*) | - (*) |
| 0.00047 | | | PCMP 384 DH471(*) | - (*) |
| 0.00056 | | | PCMP 384 DH561(*) | - (*) |
| 0.00068 | | | PCMP 384 DH681(*) | - (*) |
| 0.00082 | | | PCMP 384 DH821(*) | - (*) |
| 0.0033 | 5.0 x 11.0 x 18.0 | 1.2 | PCMP 384 72332 | PCMP 384 7A332 |
| 0.0036 | | | PCMP 384 72362 | PCMP 384 7A362 |
| 0.0039 | | | PCMP 384 72392 | PCMP 384 7A392 |
| 0.0043 | | | PCMP 384 72432 | PCMP 384 7A432 |
| 0.0047 | | | PCMP 384 72472 | PCMP 384 7A472 |
| 0.0051 | | | PCMP 384 72512 | PCMP 384 7A512 |
| 0.0056 | | | PCMP 384 72562 | PCMP 384 7A562 |
| 0.0062 | | | PCMP 384 72622 | PCMP 384 7A622 |
| 0.0068 | | | PCMP 384 72682 | PCMP 384 7A682 |
| 0.0075 | | | PCMP 384 D2752 | PCMP 384 DA752 |
| 0.0082 | | | PCMP 384 D2822 | PCMP 384 DA822 |
| 0.0091 | | | PCMP 384 D2912 | PCMP 384 DA912 |
| 0.010 | | | PCMP 384 D2103 | PCMP 384 DA103 |
| 0.011 | | | PCMP 384 D2113 | PCMP 384 DA113 |
| 0.012 | | | PCMP 384 D2123 | PCMP 384 DA123 |
| 0.013 | | | PCMP 384FD2133 | PCMP 384FDA133 |
| 0.013 | 6.0 x 12.0 x 18.0 | 1.4 | PCMP 384 D2133 | PCMP 384 DA133 |
| 0.015 | | | PCMP 384 D2153 | PCMP 384 DA153 |
| 0.016 | | | PCMP 384FD2163 | PCMP 384FDA163 |
| 0.018 | | | PCMP 384FD2183 | PCMP 384FDA183 |
| 0.020 | | | PCMP 384FD2203 | PCMP 384FDA203 |
| 0.016 | 7.0 x 13.5 x 18.0 | 1.9 | PCMP 384 D2163 | PCMP 384 DA163 |
| 0.018 | | | PCMP 384 D2183 | PCMP 384 DA183 |
| 0.020 | | | PCMP 384 D2203 | PCMP 384 DA203 |
| 0.022 | | | PCMP 384 D2223 | PCMP 384 DA223 |
| 0.024 | | | PCMP 384FD2243 | PCMP 384FDA243 |
| 0.027 | | | PCMP 384FD2273 | PCMP 384FDA273 |
| 0.024 | 8.5 x 15.0 x 18.0 | 2.6 | PCMP 384 D2243 | PCMP 384 DA243 |
| 0.027 | | | PCMP 384 D2273 | PCMP 384 DA273 |
| 0.030 | | | PCMP 384 D2303 | PCMP 384 DA303 |
| 0.033 | | | PCMP 384 D2333 | PCMP 384 DA333 |
| 0.036 | | | PCMP 384FD2363 | PCMP 384FDA363 |
| 0.039 | | | PCMP 384FD2393 | PCMP 384FDA393 |
| 0.036 | 10.0 x 16.5 x 18.0 | 3.1 | PCMP 384 D2363 | PCMP 384 DA363 |
| 0.039 | | | PCMP 384 D2393 | PCMP 384 DA393 |

*** Capacitance tolerance±10%**

# Metallized Polypropylene film capacitors

# PCMP 384

$V_{Rdc}$ = 1000 V  $V_{Rac}$ = 500 V~

| Cap (µF) | b x h x l (mm) | Mess (g) | CATALOGUE NUMBER PCMP 384 ..... loose in box lt = 5.0 ± 1.0 mm C – tol. ± 5 % | CATALOGUE NUMBER PCMP 384 ..... ammo packing H = 16.0 mm Reduced pitch(7.5mm) C – tol. ± 5 % |
|---|---|---|---|---|
| Pitch = 22.5 ± 0.4 mm dt = 0.8 +0.08/-0.05 mm | | | | |
| 0.043 | 7.0 x 16.5 x 26.0 | 3.2 | PCMP 384 D2433 | - |
| 0.047 | | | PCMP 384 D2473 | - |
| 0.051 | | | PCMP 384 D2513 | - |
| 0.056 | 8.5 x 18.0 x 26.0 | 4.4 | PCMP 384 D2563 | - |
| 0.062 | | | PCMP 384 D2623 | - |
| 0.068 | | | PCMP 384 D2683 | - |
| 0.075 | 10.0 x 19.5 x 26.0 | 5.5 | PCMP 384 D2753 | - |
| 0.082 | | | PCMP 384 D2823 | - |
| 0.091 | | | PCMP 384 D2913 | - |
| 0.10 | | | PCMP 384 D2104 | - |
| Pitch = 27.5 ± 0.4 mm dt = 0.8 +0.08/-0.05 mm | | | | |
| 0.11 | 11.0 x 21.0 x 31.0 | 7.8 | PCMP 384 D2114 | - |
| 0.12 | | | PCMP 384 D2124 | - |
| 0.13 | | | PCMP 384 D2134 | - |
| 0.14 | 13.0 x 23.0 x 31.0 | 10.4 | PCMP 384 D2144 | - |
| 0.15 | | | PCMP 384 D2154 | - |
| 0.16 | | | PCMP 384 D2164 | - |
| 0.18 | | | PCMP 384 D2184 | - |
| 0.20 | 15.0 x 25.0 x 31.0 | 12.8 | PCMP 384 D2204 | - |
| 0.22 | | | PCMP 384 D2224 | - |
| 0.24 | | | PCMP 384 D2244 | - |
| 0.27 | 18.0 x 28.0 x 31.0 | 17.2 | PCMP 384 D2274 | - |
| 0.30 | | | PCMP 384 D2304 | - |
| 0.33 | | | PCMP 384 D2334 | - |
| 0.36 | | | PCMP 384 D2364 | - |

# Metallized Polypropylene film capacitors

# PCMP 384

$V_{Rdc}$ = 1250 V  $V_{Rac}$ = 550 V~

| Cap (µF) | b x h x l (mm) | Mess (g) | CATALOGUE NUMBER PCMP 384 ..... loose in box lt = 5.0 ± 1.0 mm C – tol. ± 5 % | CATALOGUE NUMBER PCMP 384 ..... ammo packing H = 16.0 mm Reduced pitch(7.5mm) C – tol. ± 5 % |
|---|---|---|---|---|
| Pitch = 15.0 ± 0.4 mm dt = 0.8 +0.08/-0.05 mm | | | | |
| 0.010 | 5.0 x 11.0 x 18.0 | 1.2 | PCMP 384FN2103 | PCMP 384FNA103 |
| 0.010 | 6.0 x 12.0 x 18.0 | 1.4 | PCMP 384 N2103 | PCMP 384 NA103 |
| 0.011 | | | PCMP 384 N2113 | PCMP 384 NA113 |
| 0.012 | | | PCMP 384 N2123 | PCMP 384 NA123 |
| 0.013 | | | PCMP 384 N2133 | PCMP 384 NA133 |
| 0.015 | | | PCMP 384FN2153 | PCMP 384FNA153 |
| 0.016 | | | PCMP 384FN2163 | PCMP 384FNA163 |
| 0.015 | 7.0 x 13.5 x 18.0 | 1.9 | PCMP 384 N2153 | PCMP 384 NA153 |
| 0.016 | | | PCMP 384 N2163 | PCMP 384 NA163 |
| 0.018 | | | PCMP 384FN2183 | PCMP 384FNA183 |
| 0.020 | | | PCMP 384FN2203 | PCMP 384FNA203 |
| 0.018 | 8.5 x 15.0 x 18.0 | 2.6 | PCMP 384 N2183 | PCMP 384 NA183 |
| 0.020 | | | PCMP 384 N2203 | PCMP 384 NA203 |
| 0.022 | | | PCMP 384 N2223 | PCMP 384 NA223 |
| 0.024 | | | PCMP 384 N2243 | PCMP 384 NA243 |
| 0.027 | | | PCMP 384FN2273 | PCMP 384FNA273 |
| 0.030 | | | PCMP 384FN2303 | PCMP 384FNA303 |
| 0.027 | 10.0 x 16.5 x 18.0 | 3.1 | PCMP 384 N2273 | PCMP 384 NA273 |
| 0.030 | | | PCMP 384 N2303 | PCMP 384 NA303 |
| 0.033 | | | PCMP 384 N2333 | PCMP 384 NA333 |
| 0.036 | | | PCMP 384FN2363 | PCMP 384FNA363 |
| 0.039 | | | PCMP 384FN2393 | PCMP 384FNA393 |
| 0.036 | 11.0 x 18.5 x 18.0 | 4.1 | PCMP 384 N2363 | PCMP 384 NA363 |
| 0.039 | | | PCMP 384 N2393 | PCMP 384 NA393 |
| 0.043 | | | PCMP 384 N2433 | PCMP 384 NA433 |
| 0.047 | | | PCMP 384 N2473 | PCMP 384 NA473 |
| Pitch = 22.5 ± 0.4 mm dt = 0.8 +0.08/-0.05 mm | | | | |
| 0.051 | 8.5 x 18.0 x 26.0 | 4.4 | PCMP 384 N2513 | - |
| 0.056 | 10.0 x 19.5 x 26.0 | 5.5 | PCMP 384 N2563 | - |
| 0.062 | | | PCMP 384 N2623 | - |
| 0.068 | | | PCMP 384 N2683 | - |
| 0.075 | | | PCMP 384 N2753 | - |
| 0.082 | 11.5 x 21.0 x 26.0 | 6.7 | PCMP 384 N2823 | - |
| 0.091 | | | PCMP 384 N2913 | - |
| 0.10 | | | PCMP 384 N2104 | - |
| 0.11 | 13.0 x 23.0 x 26.0 | 8.0 | PCMP 384 N2114 | - |
| 0.12 | | | PCMP 384 N2124 | - |

# Metallized Polypropylene film capacitors

# PCMP 384

$V_{Rdc}$ = 1600 V  $V_{Rac}$ = 630 V~

| Cap (µF) | b x h x l (mm) | Mess (g) | CATALOGUE NUMBER PCMP 384 ..... loose in box lt = 5.0 ± 1.0 mm C – tol. ± 5 % | CATALOGUE NUMBER PCMP 384 ..... ammo packing H = 16.0 mm Reduced pitch(7.5mm) C – tol. ± 5 % |
|---|---|---|---|---|
| Pitch = 15.0 ± 0.4 mm dt = 0.8 +0.08/-0.05 mm | | | | |
| 0.00022 | 5.0 x 11.0 x 18.0 | 1.2 | PCMP 384 8H221(*) | - (*) |
| 0.00027 | | | PCMP 384 8H271(*) | - (*) |
| 0.00033 | | | PCMP 384 8H331(*) | - (*) |
| 0.00039 | | | PCMP 384 8H391(*) | - (*) |
| 0.00047 | | | PCMP 384 8H471(*) | - (*) |
| 0.00056 | | | PCMP 384 8H561(*) | - (*) |
| 0.00068 | | | PCMP 384 8H681(*) | - (*) |
| 0.00082 | | | PCMP 384 8H821(*) | - (*) |
| 0.0010 | 5.0 x 11.0 x 18.0 | 1.2 | PCMP 384 82102 | PCMP 384 8A102 |
| 0.0011 | | | PCMP 384 82112 | PCMP 384 8A112 |
| 0.0012 | | | PCMP 384 82122 | PCMP 384 8A122 |
| 0.0013 | | | PCMP 384 82132 | PCMP 384 8A132 |
| 0.0015 | | | PCMP 384 82152 | PCMP 384 8A152 |
| 0.0016 | | | PCMP 384 82162 | PCMP 384 8A162 |
| 0.0018 | | | PCMP 384 82182 | PCMP 384 8A182 |
| 0.0020 | | | PCMP 384 82202 | PCMP 384 8A202 |
| 0.0022 | | | PCMP 384 82222 | PCMP 384 8A222 |
| 0.0024 | | | PCMP 384 82242 | PCMP 384 8A242 |
| 0.0027 | | | PCMP 384 82272 | PCMP 384 8A272 |
| 0.0030 | | | PCMP 384 82302 | PCMP 384 8A302 |
| 0.0033 | | | PCMP 384 82332 | PCMP 384 8A332 |
| 0.0036 | | | PCMP 384 82362 | PCMP 384 8A362 |
| 0.0039 | | | PCMP 384 82392 | PCMP 384 8A392 |
| 0.0043 | | | PCMP 384 82432 | PCMP 384 8A432 |
| 0.0047 | | | PCMP 384 82472 | PCMP 384 8A472 |
| 0.0051 | | | PCMP 384F82512 | PCMP 384F8A512 |
| 0.0056 | | | PCMP 384F82562 | PCMP 384F8A562 |
| 0.0062 | | | PCMP 384F82622 | PCMP 384F8A622 |
| 0.0068 | | | PCMP 384F82682 | PCMP 384F8A682 |
| 0.0075 | 6.0 x 12.0 x 18.0 | 1.4 | PCMP 384F82752 | PCMP 384F8A752 |
| 0.0051 | | | PCMP 384 82512 | PCMP 384 8A512 |
| 0.0056 | | | PCMP 384 82562 | PCMP 384 8A562 |
| 0.0062 | | | PCMP 384 82622 | PCMP 384 8A622 |
| 0.0068 | | | PCMP 384 82682 | PCMP 384 8A682 |
| 0.0082 | | | PCMP 384F82822 | PCMP 384F8A822 |
| 0.0091 | | | PCMP 384F82912 | PCMP 384F8A912 |
| 0.010 | | | PCMP 384F82103 | PCMP 384F8A103 |
| 0.0075 | 7.0 x 13.5 x 18.0 | 1.9 | PCMP 384 82752 | PCMP 384 8A752 |
| 0.0082 | | | PCMP 384 82822 | PCMP 384 8A822 |
| 0.0091 | 8.5 x 15.0 x 18.0 | 2.6 | PCMP 384 82912 | PCMP 384 8A912 |
| 0.010 | | | PCMP 384 82103 | PCMP 384 8A103 |
| 0.011 | | | PCMP 384 82113 | PCMP 384 8A113 |
| 0.012 | | | PCMP 384 82123 | PCMP 384 8A123 |
| 0.013 | 10.0 x 16.5 x 18.0 | 3.1 | PCMP 384 82133 | PCMP 384 8A133 |
| 0.015 | | | PCMP 384 82153 | PCMP 384 8A153 |
| 0.016 | | | PCMP 384 82163 | PCMP 384 8A163 |
| 0.018 | | | PCMP 384 82183 | PCMP 384 8A183 |

*** Capacitance tolerance±10%**

# Metallized Polypropylene film capacitors

# PCMP 384

$V_{Rdc}$ = 1600 V  $V_{Rac}$ = 630 V~

| Cap (µF) | b x h x l (mm) | Mess (g) | CATALOGUE NUMBER PCMP 384 ..... loose in box lt = 5.0 ± 1.0 mm C – tol. ± 5 % | CATALOGUE NUMBER PCMP 384 ..... ammo packing H = 16.0 mm Reduced pitch(7.5mm) C – tol. ± 5 % |
|---|---|---|---|---|
| Pitch = 22.5 ± 0.4 mm dt = 0.8 +0.08/-0.05 mm | | | | |
| 0.0056 | 6.0 x 15.5 x 26.0 | 2.9 | PCMP 384J82562 | - |
| 0.0062 | | | PCMP 384J82622 | - |
| 0.0068 | | | PCMP 384J82682 | - |
| 0.0075 | | | PCMP 384J82752 | - |
| 0.0082 | | | PCMP 384J82822 | - |
| 0.0091 | | | PCMP 384J82912 | - |
| 0.010 | | | PCMP 384J82103 | - |
| 0.011 | 7.0 x 16.5 x 26.0 | 3.2 | PCMP 384J82113 | - |
| 0.012 | | | PCMP 384J82123 | - |
| 0.013 | | | PCMP 384J82133 | - |
| 0.015 | | | PCMP 384J82153 | - |
| 0.016 | 8.5 x 18.0 x 26.0 | 4.4 | PCMP 384J82163 | - |
| 0.018 | | | PCMP 384J82183 | - |
| 0.020 | | | PCMP 384 82203 | - |
| 0.022 | | | PCMP 384 82223 | - |
| 0.024 | 10.0 x 19.5 x 26.0 | 5.5 | PCMP 384 82243 | - |
| 0.027 | | | PCMP 384 82273 | - |
| 0.030 | 11.5 x 21.0 x 26.0 | 6.7 | PCMP 384 82303 | - |
| 0.033 | | | PCMP 384 82333 | - |
| 0.036 | | | PCMP 384 82363 | - |
| 0.039 | 13.0 x 23.0 x 26.0 | 8.0 | PCMP 384 82393 | - |
| 0.043 | | | PCMP 384 82433 | - |
| 0.047 | | | PCMP 384 82473 | - |
| Pitch = 27.5 ± 0.4 mm dt = 0.8 +0.08/-0.05 mm | | | | |
| 0.039 | 11.0 x 21.0 x 31.0 | 7.8 | PCMP 384L82393 | - |
| 0.043 | | | PCMP 384L82433 | - |
| 0.047 | | | PCMP 384L82473 | - |
| 0.051 | 13.0 x 23.0 x 31.0 | 10.4 | PCMP 384 82513 | - |
| 0.056 | | | PCMP 384 82563 | - |
| 0.062 | | | PCMP 384 82623 | - |
| 0.068 | 15.0 x 25.0 x 31.0 | 12.8 | PCMP 384 82683 | - |
| 0.075 | | | PCMP 384 82753 | - |
| 0.082 | | | PCMP 384 82823 | - |
| 0.10 | 18.0 x 28.0 x 31.0 | 17.2 | PCMP 384 82104 | - |
| 0.11 | | | PCMP 384 82114 | - |
| 0.12 | | | PCMP 384 82124 | - |

# Metallized Polypropylene film capacitors

# PCMP 384

$V_{Rdc}$ = 2000 V  $V_{Rac}$ = 680 V~

| Cap (µF) | b x h x l (mm) | Mess (g) | CATALOGUE NUMBER PCMP 384 ..... loose in box lt = 5.0 ± 1.0 mm C – tol. ± 5 % | CATALOGUE NUMBER PCMP 384 ..... ammo packing H = 16.0 mm Reduced pitch(7.5mm) C – tol. ± 5 % |
|---|---|---|---|---|
| Pitch = 15.0 ± 0.4 mm dt = 0.8 +0.08/-0.05 mm | | | | |
| 0.0010 | 5.0 x 11.0 x 18.0 | 1.2 | PCMP 384 92102 | PCMP 384 9A102 |
| 0.0011 | | | PCMP 384 92112 | PCMP 384 9A112 |
| 0.0012 | | | PCMP 384 92122 | PCMP 384 9A122 |
| 0.0013 | | | PCMP 384 92132 | PCMP 384 9A132 |
| 0.0015 | | | PCMP 384 92152 | PCMP 384 9A152 |
| 0.0016 | | | PCMP 384 92162 | PCMP 384 9A162 |
| 0.0018 | | | PCMP 384 92182 | PCMP 384 9A182 |
| 0.0020 | | | PCMP 384 92202 | PCMP 384 9A202 |
| 0.0022 | | | PCMP 384 92222 | PCMP 384 9A222 |
| 0.0024 | | | PCMP 384 92242 | PCMP 384 9A242 |
| 0.0027 | | | PCMP 384 92272 | PCMP 384 9A272 |
| 0.0030 | | | PCMP 384F92302 | PCMP 384F9A302 |
| 0.0033 | | | PCMP 384F92332 | PCMP 384F9A332 |
| 0.0036 | | | PCMP 384F92362 | PCMP 384F9A362 |
| 0.0039 | | | PCMP 384F92392 | PCMP 384F9A392 |
| 0.0043 | | | PCMP 384F92432 | PCMP 384F9A432 |
| 0.0047 | | | PCMP 384F92472 | PCMP 384F9A472 |
| 0.0051 | 6.0 x 12.0 x 18.0 | 1.4 | PCMP 384F92512 | PCMP 384F9A512 |
| 0.0030 | | | PCMP 384 92302 | PCMP 384 9A302 |
| 0.0033 | | | PCMP 384 92332 | PCMP 384 9A332 |
| 0.0036 | | | PCMP 384 92362 | PCMP 384 9A362 |
| 0.0039 | | | PCMP 384 92392 | PCMP 384 9A392 |
| 0.0056 | | | PCMP 384F92562 | PCMP 384F9A562 |
| 0.0062 | | | PCMP 384F92622 | PCMP 384F9A622 |
| 0.0068 | | | PCMP 384F92682 | PCMP 384F9A682 |
| 0.0075 | 7.0 x 13.5 x 18.0 | 1.9 | PCMP 384F92752 | PCMP 384F9A752 |
| 0.0043 | | | PCMP 384 92432 | PCMP 384 9A432 |
| 0.0047 | | | PCMP 384 92472 | PCMP 384 9A472 |
| 0.0051 | | | PCMP 384 92512 | PCMP 384 9A512 |
| 0.0056 | | | PCMP 384 92562 | PCMP 384 9A562 |
| 0.0082 | | | PCMP 384F92822 | PCMP 384F9A822 |
| 0.0091 | | | PCMP 384F92912 | PCMP 384F9A912 |
| 0.010 | 8.5 x 15.0 x 18.0 | 2.6 | PCMP 384F92103 | PCMP 384F9A103 |
| 0.0062 | | | PCMP 384 92622 | PCMP 384 9A622 |
| 0.0068 | | | PCMP 384 92682 | PCMP 384 9A682 |
| 0.0075 | | | PCMP 384 92752 | PCMP 384 9A752 |
| 0.0082 | | | PCMP 384 92822 | PCMP 384 9A822 |
| 0.0091 | 10.0 x 16.5 x 18.0 | 3.1 | PCMP 384 92912 | PCMP 384 9A912 |
| 0.010 | | | PCMP 384 92103 | PCMP 384 9A103 |
| 0.011 | | | PCMP 384 92113 | PCMP 384 9A113 |
| 0.012 | | | PCMP 384 92123 | PCMP 384 9A123 |
| 0.013 | 11.0 x 18.5 x 18.0 | 4.1 | PCMP 384F92133 | PCMP 384F9A133 |
| 0.015 | | | PCMP 384F92153 | PCMP 384F9A153 |

# Metallized Polypropylene film capacitors

# PCMP 384

$V_{Rdc}$ = 2000 V  $V_{Rac}$ = 680 V~

| Cap (µF) | b x h x l (mm) | Mess (g) | CATALOGUE NUMBER PCMP 384 ..... loose in box lt = 5.0 ± 1.0 mm C – tol. ± 5 % | CATALOGUE NUMBER PCMP 384 ..... ammo packing H = 16.0 mm Reduced pitch(7.5mm) C – tol. ± 5 % |
|---|---|---|---|---|
| Pitch = 22.5 ± 0.4 mm dt = 0.8 +0.08/-0.05 mm | | | | |
| 0.0051 | 6.0 x 15.5 x 26.0 | 2.9 | PCMP 384J92512 | - |
| 0.0056 | | | PCMP 384J92562 | - |
| 0.0062 | | | PCMP 384J92622 | - |
| 0.0068 | | | PCMP 384J92682 | - |
| 0.0075 | 7.0 x 16.5 x 26.0 | 3.2 | PCMP 384J92752 | - |
| 0.0082 | | | PCMP 384J92822 | - |
| 0.0091 | | | PCMP 384J92912 | - |
| 0.010 | | | PCMP 384J92103 | - |
| 0.011 | 8.5 x 18.0 x 26.0 | 4.4 | PCMP 384J92113 | - |
| 0.012 | | | PCMP 384J92123 | - |
| 0.013 | | | PCMP 384 92133 | - |
| 0.015 | | | PCMP 384 92153 | - |
| 0.016 | 10.0 x 19.5 x 26.0 | 5.5 | PCMP 384 92163 | - |
| 0.018 | | | PCMP 384 92183 | - |
| 0.020 | 11.5 x 21.0 x 26.0 | 6.7 | PCMP 384 92203 | - |
| 0.022 | | | PCMP 384 92223 | - |
| 0.024 | | | PCMP 384 92243 | - |

# Metallized Polypropylene film capacitors

# PCMP 384

$V_{Rdc}$ = 2000 V  $V_{Rac}$ = 700 V~

| Cap (µF) | b x h x l (mm) | Mess (g) | CATALOGUE NUMBER PCMP 384 ..... loose in box lt = 5.0 ± 1.0 mm C – tol. ± 5 % | CATALOGUE NUMBER PCMP 384 ..... ammo packing H = 16.0 mm Reduced pitch(7.5mm) C – tol. ± 5 % |
|---|---|---|---|---|
| Pitch = 15.0 ± 0.4 mm  dt = 0.8 +0.08/-0.05 mm | | | | |
| 0.00022 | 5.0 x 11.0 x 18.0 | 1.2 | PCMP 384 2H221(*) | - (*) |
| 0.00027 | | | PCMP 384 2H271(*) | - (*) |
| 0.00033 | | | PCMP 384 2H331(*) | - (*) |
| 0.00039 | | | PCMP 384 2H391(*) | - (*) |
| 0.00047 | | | PCMP 384 2H471(*) | - (*) |
| 0.00056 | | | PCMP 384 2H561(*) | - (*) |
| 0.00068 | | | PCMP 384 2H681(*) | - (*) |
| 0.00082 | | | PCMP 384 2H821(*) | - (*) |
| 0.0010 | 5.0 x 11.0 x 18.0 | 1.2 | PCMP 384 22102 | PCMP 384 2A102 |
| 0.0011 | | | PCMP 384 22112 | PCMP 384 2A112 |
| 0.0012 | | | PCMP 384 22122 | PCMP 384 2A122 |
| 0.0013 | | | PCMP 384 22132 | PCMP 384 2A132 |
| 0.0015 | | | PCMP 384 22152 | PCMP 384 2A152 |
| 0.0016 | | | PCMP 384 22162 | PCMP 384 2A162 |
| 0.0018 | | | PCMP 384 22182 | PCMP 384 2A182 |
| 0.0020 | | | PCMP 384 22202 | PCMP 384 2A202 |
| 0.0022 | | | PCMP 384 22222 | PCMP 384 2A222 |
| 0.0024 | | | PCMP 384 22242 | PCMP 384 2A242 |
| 0.0027 | 6.0 x 12.0 x 18.0 | 1.4 | PCMP 384 22272 | PCMP 384 2A272 |
| 0.0030 | | | PCMP 384 22302 | PCMP 384 2A302 |
| 0.0033 | | | PCMP 384 22332 | PCMP 384 2A332 |
| 0.0036 | | | PCMP 384 22362 | PCMP 384 2A362 |
| 0.0039 | 7.0 x 13.5 x 18.0 | 1.9 | PCMP 384 22392 | PCMP 384 2A392 |
| 0.0043 | | | PCMP 384 22432 | PCMP 384 2A432 |
| 0.0047 | | | PCMP 384 22472 | PCMP 384 2A472 |
| 0.0051 | 8.5 x 15.0 x 18.0 | 2.6 | PCMP 384 22512 | PCMP 384 2A512 |
| 0.0056 | | | PCMP 384 22562 | PCMP 384 2A562 |
| 0.0062 | | | PCMP 384 22622 | PCMP 384 2A622 |
| 0.0068 | | | PCMP 384 22682 | PCMP 384 2A682 |
| 0.0075 | 10.0 x 16.5 x 18.0 | 3.1 | PCMP 384 22752 | PCMP 384 2A752 |
| 0.0082 | | | PCMP 384 22822 | PCMP 384 2A822 |
| 0.0091 | | | PCMP 384 22912 | PCMP 384 2A912 |
| 0.010 | | | PCMP 384 22103 | PCMP 384 2A103 |

*** Capacitance tolerance±10%**

# Metallized Polypropylene film capacitors

# PCMP 384

$V_{Rdc}$ = 2500 V $V_{Rac}$ = 900 V~

| Cap (µF) | b x h x l (mm) | Mess (g) | CATALOGUE NUMBER PCMP 384 ..... loose in box lt = 5.0 ± 1.0 mm C – tol. ± 5 % | CATALOGUE NUMBER PCMP 384 ..... ammo packing H = 16.0 mm Reduced pitch(7.5mm) C – tol. ± 5 % |
|---|---|---|---|---|
| Pitch = 22.5 ± 0.4 mm dt = 0.8 +0.08/-0.05 mm | | | | |
| 0.0010 | 6.0 x 15.5 x 26.0 | 2.9 | PCMP 384 02102 | - |
| 0.0011 | | | PCMP 384 02112 | - |
| 0.0012 | | | PCMP 384 02122 | - |
| 0.0013 | | | PCMP 384 02132 | - |
| 0.0015 | | | PCMP 384 02152 | - |
| 0.0016 | | | PCMP 384 02162 | - |
| 0.0018 | | | PCMP 384 02182 | - |
| 0.0020 | | | PCMP 384 02202 | - |
| 0.0022 | | | PCMP 384 02222 | - |
| 0.0024 | | | PCMP 384 02242 | - |
| 0.0027 | | | PCMP 384 02272 | - |
| 0.0030 | | | PCMP 384 02302 | - |
| 0.0033 | | | PCMP 384 02332 | - |
| 0.0036 | | | PCMP 384 02362 | - |
| 0.0039 | | | PCMP 384 02392 | - |
| 0.0043 | | | PCMP 384 02432 | - |
| 0.0047 | | | PCMP 384 02472 | - |
| 0.0051 | | | PCMP 384 02512 | - |
| 0.0056 | 7.0 x 16.5 x 26.0 | 3.2 | PCMP 384 02562 | - |
| 0.0062 | | | PCMP 384 02622 | - |
| 0.0068 | | | PCMP 384 02682 | - |
| 0.0075 | | | PCMP 384 02752 | - |
| 0.0082 | 8.5 x 18.0 x 26.0 | 4.4 | PCMP 384 02822 | - |
| 0.0091 | | | PCMP 384 02912 | - |
| 0.010 | | | PCMP 384 02103 | - |
| 0.011 | | | PCMP 384 02113 | - |
| 0.012 | 10.0 x 19.5 x 26.0 | 5.5 | PCMP 384 02123 | - |
| 0.013 | | | PCMP 384 02133 | - |
| 0.015 | | | PCMP 384 02153 | - |

# Metallized Polypropylene film capacitors

# PCMP 384

## MOUNTING

NORMAL USE

The capacitors are designed for mounting on printed-circuit boards. The capacitors packed in bandoliers are designed for mounting on printed-circuit boards by means of automatic insertion machines.

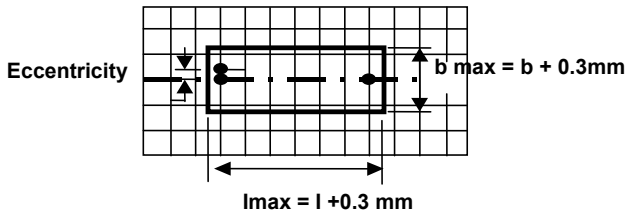
SPECIFIC METHOD OF MOUNTING TO WITHSTAND VIBRATIONAND SHOCK

. For pitches of 15 mm the capacitors shall be mechanically fixed by the leads

. For larger pitches the capacitors shall be mounted in the same way and the body clamped.

## SPACE REQUIREMENTS ON PRINTED-CIRCUIT BOARD

The maximum length and width of film capacitors are shown in the following drawing ;




- Eccentricity as in drawing.
  The maximum eccentricity is smaller than or equal to the lead diameter of the product concerned.

- Product height with seating plane as given by IEC 60717 as reference : $h_{max} \leq h+0.3mm$

## STORAGE TEMPERATURE

. Storage temperature : $T_{stg}$ = -25 to +40 $^{o}$C with RH maximum 80% without condensation.

# Metallized Polypropylene film capacitors

# PCMP 384

## RATINGS AND CHARACTERISTICS

Unless otherwise specified all electrical values apply at an ambient temperature of 23±1°C, an atmospheric pressure of 86 to 106 kPa and a relative humidity of 50±2%.
For reference testing a conditioning period shall be applied of 96±4 hours by heating the products in a circulating air oven at the rated temperature and a relative humidity not exceeding 20%.

## CHARACTERISTICS

● **Test Voltage**
. Test Voltage ( between leads ) : 1.6 x $V_{Rdc}$, 1min (cut-off current 10mA)
. Test Voltage ( between leads and Case ) : 2840 $V_{dc}$, 1min

● **Dissipation Factor**

| Rated voltage | Capacitance | Pitch | Tangent of loss angle ( x $10^{-4}$ ) | |
|---|---|---|---|---|
| | | | 10 KHz | 100 KHz |
| 250 V ($V_{Rac}$ = 125V~) | C ≤ 0.082μF | 10.0mm | ≤ 5 | ≤ 15 |
| | 0.068μF ≤ C ≤ 0.33μF | 15.0mm | ≤ 5 | ≤ 25 |
| | 0.33 μF < C ≤ 1.0μF | 22.5mm | ≤ 5 | ≤ 45 |
| 400 V ($V_{Rac}$ = 220V~) | C ≤ 0.047μF | 10.0mm | ≤ 5 | ≤ 15 |
| | 0.033μF < C ≤ 0.22μF | 15.0mm | ≤ 5 | ≤ 20 |
| | 0.22 μF ≤ C ≤ 0.47μF | 22.5mm | ≤ 10 | ≤ 40 |
| 630 V ($V_{Rac}$ = 250V~, mini) | C ≤ 0.030μF | 10.0mm | ≤ 5 | ≤ 15 |
| | 0.030μF ≤ C ≤ 0.15μF | 15.0mm | ≤ 5 | ≤ 15 |
| | 0.15 μF < C ≤ 0.27μF | 22.5mm | ≤ 8 | ≤ 20 |
| 630 V ($V_{Rac}$ = 250V~, old) | C ≤ 0.1μF | 15.0mm | ≤ 5 | ≤ 15 |
| | 0.1 μF < C ≤ 0.22 μF | 22.5mm | ≤ 8 | ≤ 20 |
| 630 V ($V_{Rac}$ = 400V~) | C ≤ 0.018μF | 10.0mm | ≤ 4 | ≤ 12 |
| | 0.018μF < C ≤ 0.1μF | 15.0mm | ≤ 5 | ≤ 15 |
| | 0.1μF ≤ C ≤ 0.33μF | 22.5mm | ≤ 8 | ≤ 25 |
| | 0.24μF ≤ C | 27.5mm | ≤ 10 | ≤ 40 |
| 800V ($V_{Rac}$ = 450V~) | C ≤ 0.091μF | 15.0mm | ≤ 5 | ≤ 15 |
| 1000 V ($V_{Rac}$ = 450V~) | C ≤ 0.027μF | 15.0mm | ≤ 4 | ≤ 15 |
| | 0.012μF ≤C ≤ 0.039μF | 22.5mm | ≤ 6 | ≤ 20 |
| 1000 V ($V_{Rac}$ = 500V~) | C ≤ 0.0068μF | 10.0mm | ≤ 4 | ≤ 15 |
| | 0.0022μF ≤ C ≤ 0.039μF | 15.0mm | ≤ 6 | ≤ 20 |
| | 0.039 μF < C ≤ 0.1μF | 22.5mm | ≤ 8 | ≤ 25 |
| | 0.11μF ≤ C | 27.5mm | ≤ 10 | ≤ 30 |
| 1250V ($V_{Rac}$ = 550V~) | C ≤ 0.047μF | 15.0mm | ≤ 6 | ≤ 15 |
| | 0.051μF ≤ C | 22.5mm | ≤ 8 | ≤ 25 |
| 1600 V ($V_{Rac}$ = 630V~) | C ≤ 0.018μF | 15.0mm | ≤ 5 | ≤ 15 |
| | 0.0056μF ≤C ≤ 0.047μF | 22.5mm | ≤ 5 | ≤ 20 |
| | 0.039μF ≤ C | 27.5mm | ≤ 10 | ≤ 25 |
| 2000 V ( $V_{Rac}$ = 680V~) | C ≤ 0.015μF | 15.0mm | ≤ 5 | ≤ 15 |
| | 0.0051μF ≤C ≤ 0.024μF | 22.5mm | ≤ 5 | ≤ 20 |
| 2000 V ( $V_{Rac}$ = 700V~) | C ≤ 0.01μF | 15.0mm | ≤ 5 | ≤ 15 |
| 2500 V ( $V_{Rac}$ = 900V~) | C ≤ 0.015μF | 22.5mm | ≤ 5 | ≤ 15 |

# Metallized Polypropylene film capacitors

# PCMP 384

- **Insulation Resistance**

The insulation resistance is measured for 1min ±5s, at 100V for $V_{Rdc}$ < 630V, at 500V for $V_{Rdc}$ ≥ 630V
Between terminals :

C ≤ 0.33μF : R > 100 000 MΩ
C > 0.33μF : RC ≥ 30 000 s

- **Rated Voltage Pulse Load Slope $(dV/dt)_R$**

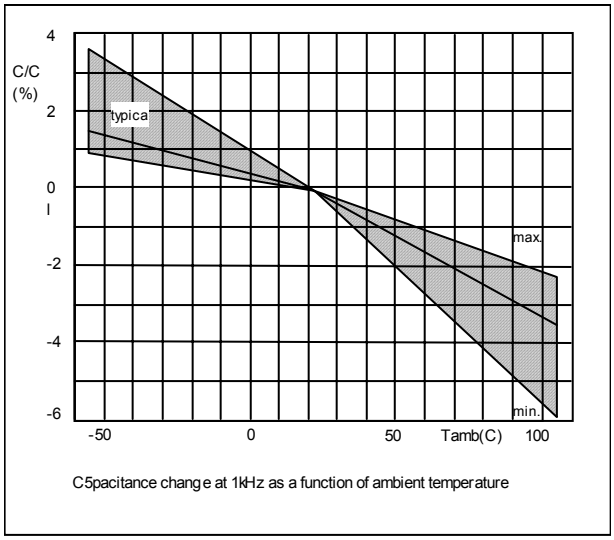
For values see specific reference data. If the pulse voltage is lower than the rated voltage, the values of the specific reference data must be multiplied by $V_{Rdc}$ and divided by the applied voltage

| Rated voltage | Rated voltage pulse slope (V/μs) | | | |
|---|---|---|---|---|
| | P = 10.0 mm | P = 15.0 mm | P = 22.5 mm | P = 27.5 mm |
| 250 V | 1000 | 550 | 250 | - |
| 400 V | 1200 | 700 | 400 | - |
| 630V | 1500 | 900 | 500 | 400 |
| 630 V ( $V_{Rac}$ = 400V~) | 3000 | 2500 | 1500 | 900 |
| 800 V | - | 3000 | - | - |
| 1000 V | 4800 | 3300 | 2100 | 1200 |
| 1250 V | 6000 | 4500 | 2500 | 1400 |
| 1600 V | 8000 | 6000 | 3000 | 2000 |
| 2000 V ( $V_{Rac}$ = 680V~) | - | 9500 | 3500 | 2300 |
| 2000 V ( $V_{Rac}$ = 700V~) | - | 11000 | - | - |
| 2500 V | - | - | 11000 | - |

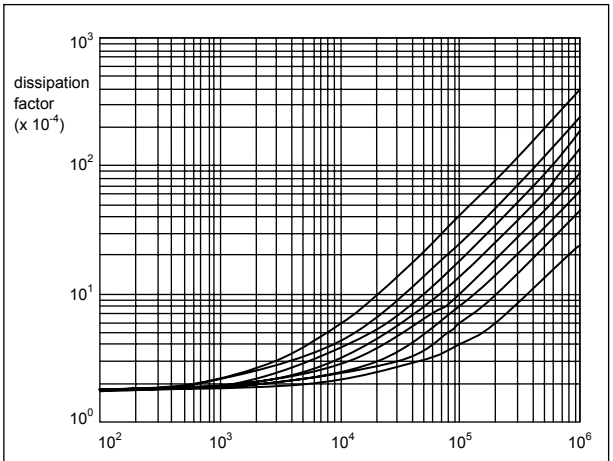
# Metallized Polypropylene film capacitors

# PCMP 384

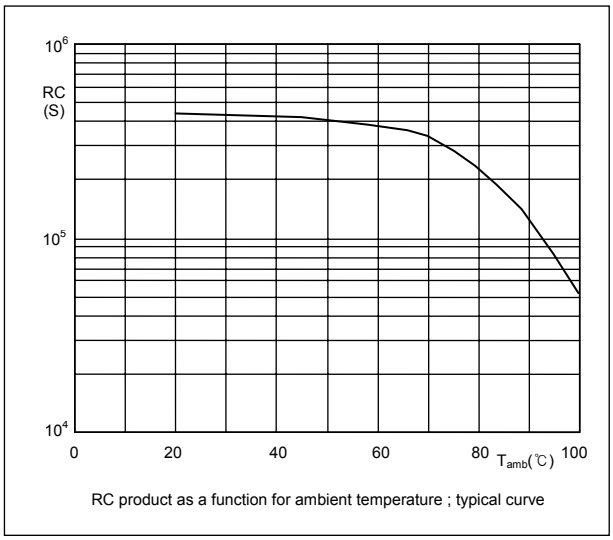
## THE GRAPHS OF CHARACTERISTICS



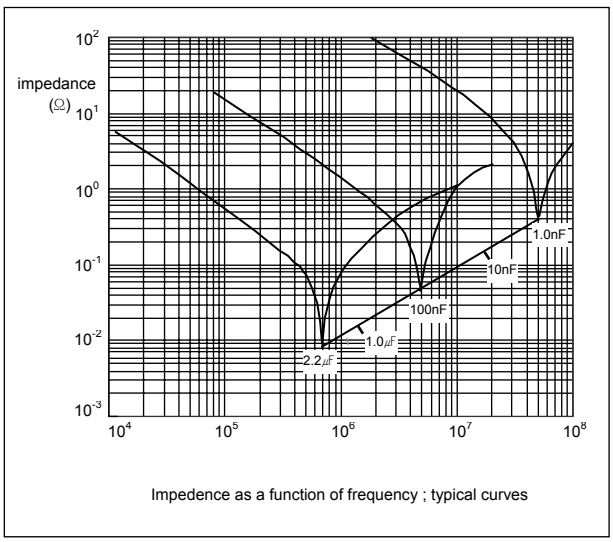

C5pacitance change at 1kHz as a function of ambient temperature



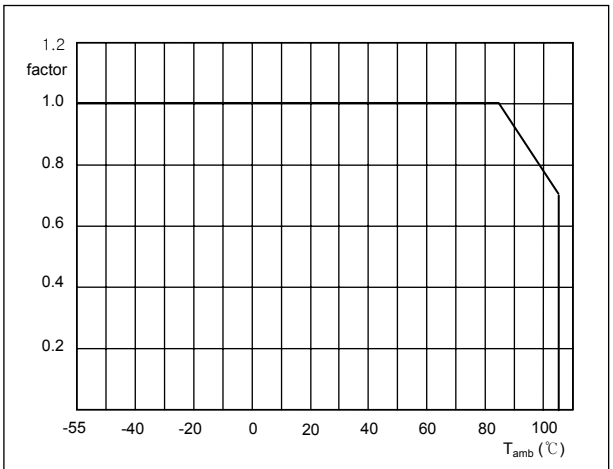

Tangent of loss angle as a function of frequency ; typical curves



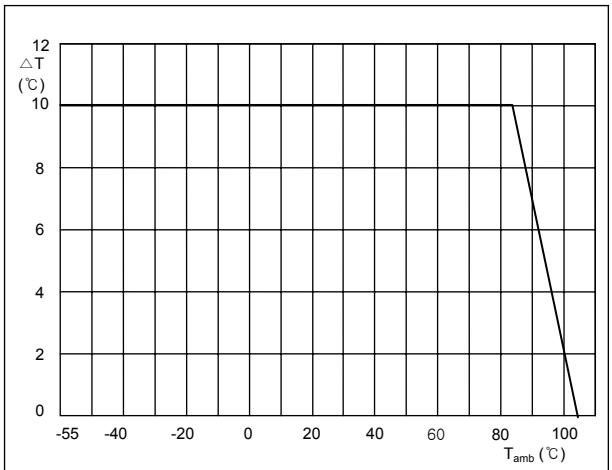

RC product as a function for ambient temperature ; typical curve




Impedence as a function of frequency ; typical curves




Multiplying factor for DC and AC voltage as a function of temperature

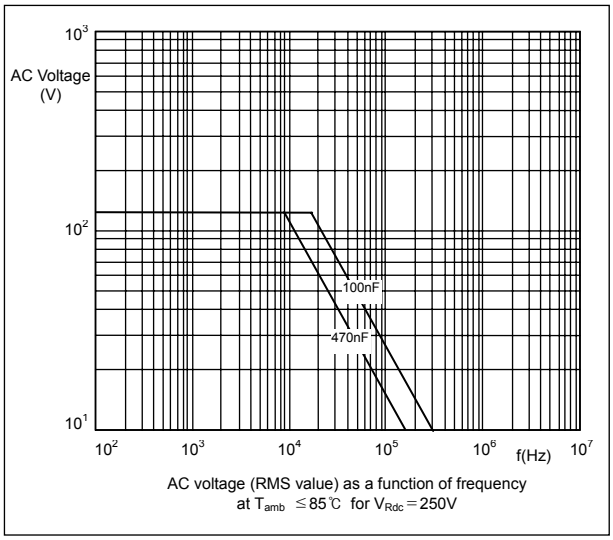



Maximum allowed component temperature rise (ΔT)

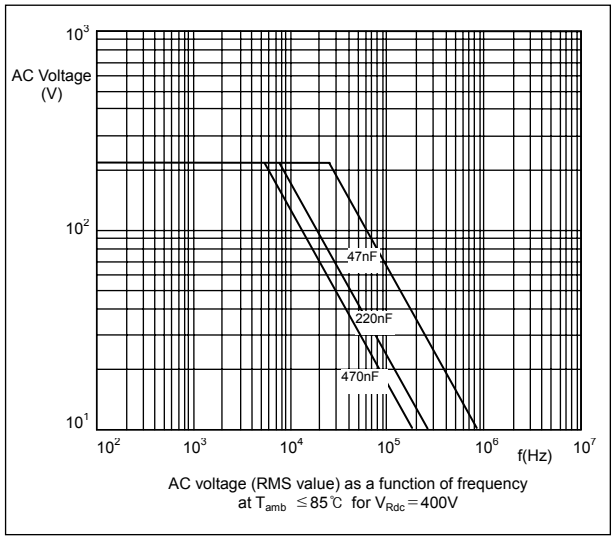
# Metallized Polypropylene film capacitors

# PCMP 384

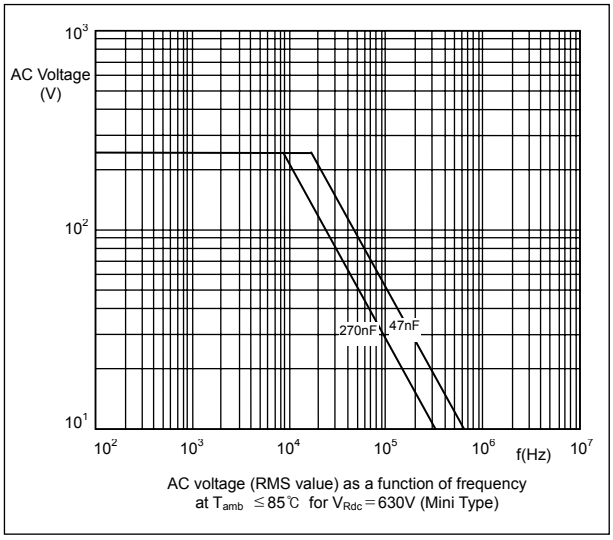
## MAXIMUM RMS VOLTAGE (SINEWAVE) AS A FUNCTION OF FREQUENCY



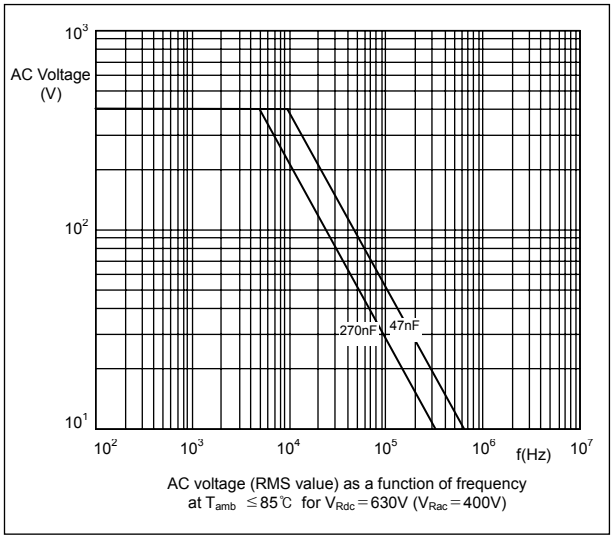

AC voltage (RMS value) as a function of frequency
at $T_{amb}$ ≤ 85℃ for $V_{Rdc}$ = 250V



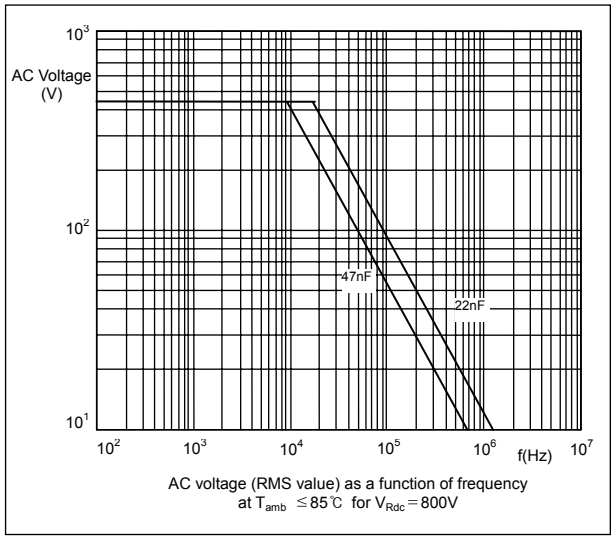

AC voltage (RMS value) as a function of frequency
at $T_{amb}$ ≤ 85℃ for $V_{Rdc}$ = 400V



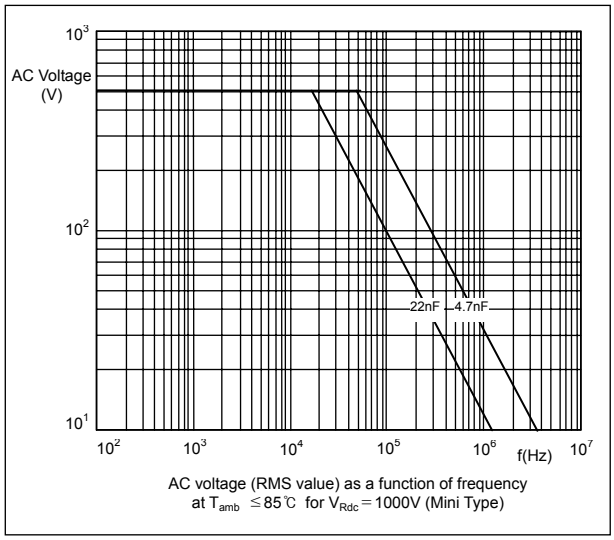

AC voltage (RMS value) as a function of frequency
at $T_{amb}$ ≤ 85℃ for $V_{Rdc}$ = 630V (Mini Type)




AC voltage (RMS value) as a function of frequency
at $T_{amb}$ ≤ 85℃ for $V_{Rdc}$ = 630V ($V_{Rac}$ = 400V)




AC voltage (RMS value) as a function of frequency
at $T_{amb}$ ≤ 85℃ for $V_{Rdc}$ = 800V

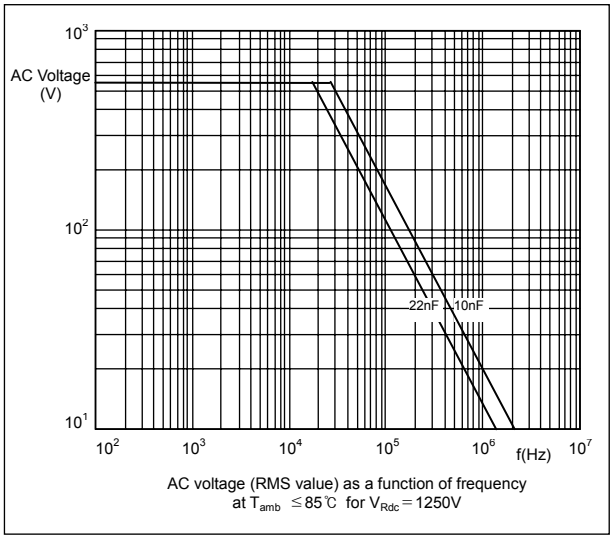



AC voltage (RMS value) as a function of frequency
at $T_{amb}$ ≤ 85℃ for $V_{Rdc}$ = 1000V (Mini Type)

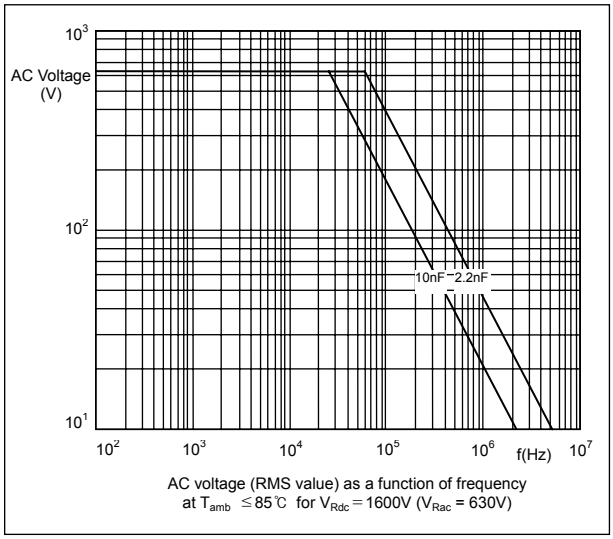
# Metallized Polypropylene film capacitors

# PCMP 384

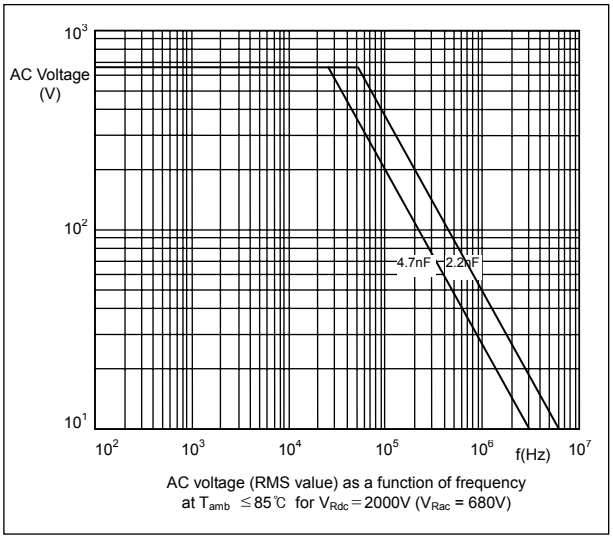
## MAXIMUM RMS VOLTAGE (SINEWAVE) AS A FUNCTION OF FREQUENCY



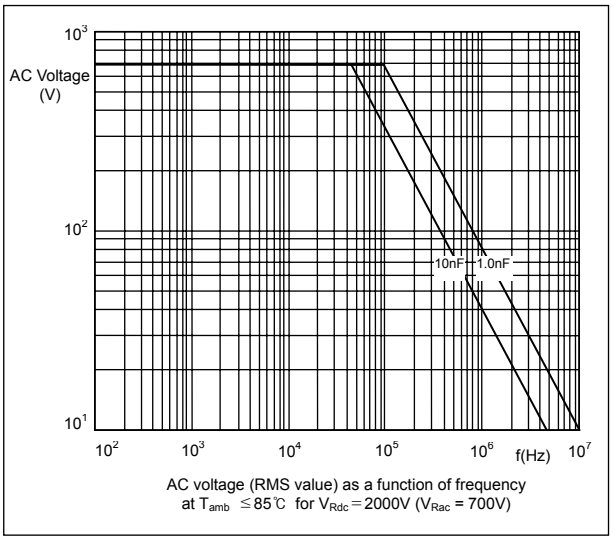

AC voltage (RMS value) as a function of frequency
at $T_{amb}$ ≤85℃ for $V_{Rdc}$ = 1250V



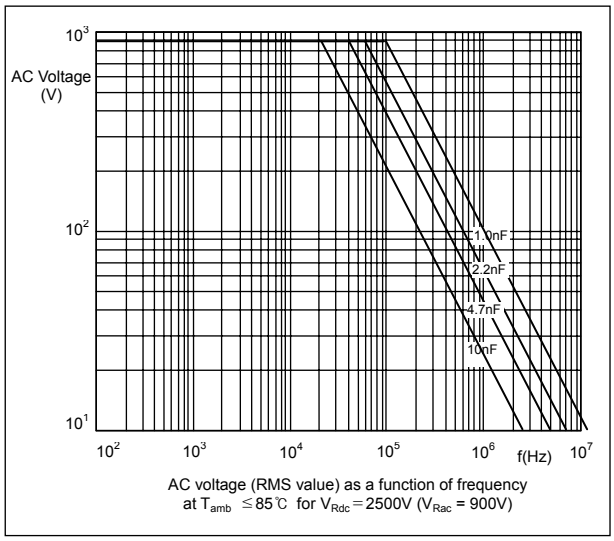

AC voltage (RMS value) as a function of frequency
at $T_{amb}$ ≤85℃ for $V_{Rdc}$ = 1600V ($V_{Rac}$ = 630V)




AC voltage (RMS value) as a function of frequency
at $T_{amb}$ ≤85℃ for $V_{Rdc}$ = 2000V ($V_{Rac}$ = 680V)




AC voltage (RMS value) as a function of frequency
at $T_{amb}$ ≤85℃ for $V_{Rdc}$ = 2000V ($V_{Rac}$ = 700V)




AC voltage (RMS value) as a function of frequency
at $T_{amb}$ ≤85℃ for $V_{Rdc}$ = 2500V ($V_{Rac}$ = 900V)

# Metallized Polypropylene film capacitors

# PCMP 384

## APPLICATION NOTE AND LIMITING CONDITIONS

These capacitors are not suitable for mains application as across-the-line capacitors without additional protection.

To select the capacitor for a certain application, the following conditions must be checked :

1. The peak voltage ($V_p$) shall not be greater than the rated DC voltage ($V_{Rdc}$).

2. The peak-to-peak voltage ($V_{p-p}$) shall not be greater than the maximum $V_{p-p}$ to avoid the ionisation inception level.

3. The voltage pulse slope (dV/dt) shall not exceed the rated voltage pulse slope in an RC-circuit at rated voltage and without ringing. If the pulse voltage is lower than the rated DC voltage, the rated voltage pulse slope may be multiplied by $V_{Rdc}$ and divided by the applied voltage.
   For all other pulses following equation must be fulfilled :

$$2 \times \int_0^T \left(\frac{dU}{dt}\right)^2 \times dt < U_{Rdc} \times \left(\frac{dU}{dt}\right)_{rated}$$

   T is the pulse duration.

4. The maximum component surface temperature rise must be lower than the limits.

**Voltage conditions for aboves.**

| ALLOWED VOLTAGES | $T_{amb} \leq 85^oC$ | $85^oC < T_{amb} \leq 105^oC$ |
|---|---|---|
| Maximum continuous RMS voltage | $V_{Rac}$ | 0.75 x $V_{Rac}$ |
| Maximum temporary RMS over voltage (<24 hours) | 1.25 x $V_{Rac}$ | 1.0 x $V_{Rac}$ |
| Maximum peak voltage ($V_{o-p}$) (<2s) | 1.6 x $V_{Rdc}$ | 1.1 x $V_{Rdc}$ |

# Metallized Polypropylene film capacitors

# PCMP 384

## PRODUCT MARKING

The capacitors are marked with the following information :

. Rated capacitance in code according to IEC 60062
. Tolerance on rated capacitance J = ±5 %  A = ±3.5 %
. Rated DC voltage or rated AC voltage (e.g. 1000 V or 700Vac)
. Manufacturer's type designation (384)
. Code for dielectric material (MMKP)
. Manufacturer's name (PILKOR)
. Year and week of manufacture (e.g. 1401)

### Example of marking

Pitch = 10.0 mm

| 4n7 J 630V<br>384 MMKP ….<br>PILKOR |
|---|

Marking on the side

Pitch = 15.0 mm

| 33n J 1000V<br>384 MMKP | PILKOR<br>WK….. |
|---|---|

Marking on the top  Marking on the side

at 400Vac

| 20n J 630V<br>384 MMKP 400~ | PILKOR<br>WK….. |
|---|---|

Marking on the top  Marking on the side

at 700Vac

| 12n J 2000V<br>384 MMKP 700~ | PILKOR<br>WK….. |
|---|---|

Marking on the top  Marking on the side

Pitch = 22.5 mm

| 47n J 1000V<br>384 MMKP | PILKOR<br>WK….. |
|---|---|

Marking on the top  Marking on the side

at 400Vac

| 110n J 630V<br>384 MMKP 400~ | PILKOR<br>WK….. |
|---|---|

Marking on the top  Marking on the side

or

| 47n J 1000V PILKOR<br>384 MMKP WK.... |
|---|

Marking on the top

Pitch = 27.5 mm

| 330n J 1000V<br>384 MMKP | PILKOR<br>WK….. |
|---|---|

Marking on the top  Marking on the side

at 400Vac

| 330n J 630V<br>384 MMKP 400~ | PILKOR<br>WK….. |
|---|---|

Marking on the top  Marking on the side

or

| 330n J 1000V PILKOR<br>384 MMKP WK.... |
|---|

Marking on the top

or

| 330n J 1000V<br>384 MMKP ….<br>PILKOR |
|---|

Marking on the top