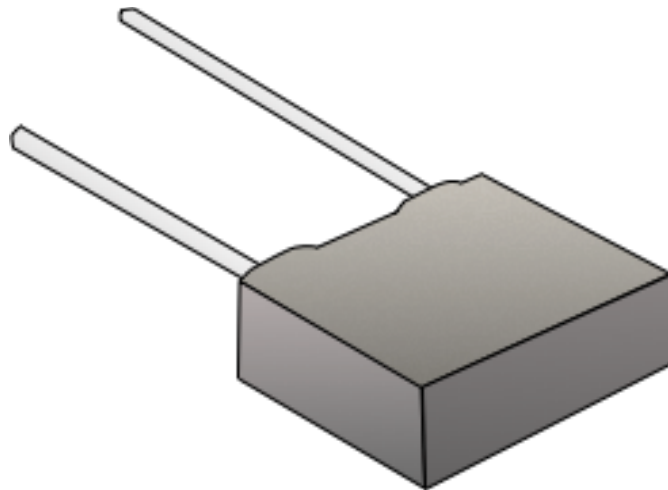


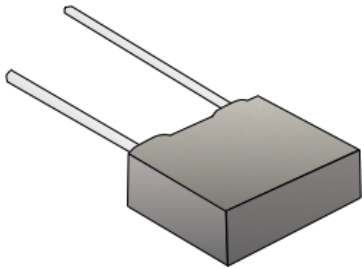
MPER Radial Leaded Film Capacitors



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MPER – Metallized Polyester / Radial Leads



- Radial Leaded (10 mm to 27.5mm)
- Non Inductively Wound
- Lead Material Tinned Copper Clad Steel
- Flame Retardant Case Meets UL94V-0
- Epoxy Encapsulant Meets UL94V-0
- Non-Polar

Excellent choice for general purpose applications such as bypass, decoupling, smoothing, and some timing, energy storage/discharge and arc suppression.

General Specifications

Operating Temperature:
-55°C to +125°C with voltage derating above 85°C

Voltage Range:
63 VDC to 1000 VDC

Capacitance Range:
0.0022µF to 10µF

Capacitance Tolerance:
±5%, ±10%, ±20%

CECC Approval:
Detail Specification 30401-009

Total Self Inductance

| Pitch (mm) | 10 | 15 | 22.5 | 27.5 |
|------------|----|----|------|------|
| L (nH) | 9 | 10 | 18 | 18 |

Dielectric Withstand Voltage:
1.6 x Rated Voltage for 2 sec at +25°C ±5°C

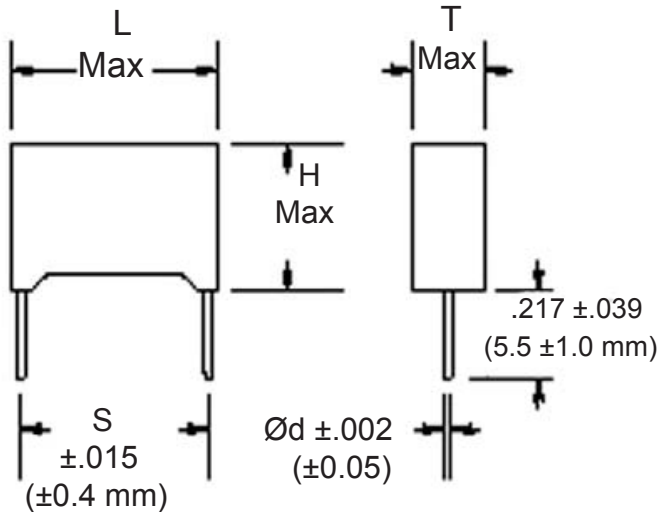
Dissipation Factor (DF):
 $tg\delta \times 10^{-4}$ at +25°C ±5°C

Maximum Pulse Rise Time (dv/dt)

| Vn | Pitch (mm) | | | |
|---------|------------|-----|------|------|
| | 10 | 15 | 22.5 | 27.5 |
| 63 | 3 | 1.5 | 1 | 1 |
| 100/160 | 6/8 | 3 | 2 | 1 |
| 250 | 11 | 7 | 4 | 3 |
| 400 | 20 | 10 | 5.5 | 5 |
| 630 | 30 | 15 | 8 | 7 |
| 1000 | 60 | 25 | 15 | 10 |

If the working voltage (V) is less than the nominal voltage (Vn), the capacitor can work at higher dv/dt. In this case, the maximum value allowed is obtained by multiplying the above value (See table dv/dt) with the ratio Vn/V.

Capacitor Outline Drawing



Test Method and Performance

| Insulation Performance | |
|--|--|
| Test Conditions Temperature Voltage Charge Time Voltage Charge | 25 °C ± 5°C 1 minute 50 Vdc for Vn < 100 Vdc 100 Vdc for Vn ≥ 100 Vdc |
| Performance For Vn > 100 Vdc For Vn ≤ 100 Vdc | ≥ 30,000 MΩ for ≤ 0.33µF ≥ 10,000 MΩ x µF for C > 0.33µF ≥ 10,000 MΩ for C ≤ 0.1µF ≥ 1,000 MΩ x µF for ≤ 0.1µF |
| Damp Heat Test | |
| Test Conditions Temperature Relative Humidity Test Duration | +40°C 95% 21 days |
| Performance Capacitance Change ΔC/C DF Change Δtgδ Insulation Resistance | ≤ ± 5% ≤ 50 x 10 ⁻⁴ at 1 kHz ≥ 50% of limit value |
| Life Test | |
| Test Conditions Temperature Test Duration Voltage Applied | +85°C 1000 hrs 1.25 x Vn |
| Performance Capacitance Change ΔC/C DF Change Δtgδ Insulation Resistance | ≤ ±5% ≤ 30 x 10 ⁻⁴ at 10 kHz for C ≤ 1.0 µF ≤ 20 x 10 ⁻⁴ at 1 kHz for C > 1.0 µF ≥ 50% of limit value |
| Soldering | |
| Test Conditions Soldering Temperature Soldering Duration | 260°C ± 5°C 10 sec ± 1 sec |
| Performance Capacitance Change ΔC/C DF Change Δtgδ | ≤ ±2% ≤ 30 x 10 ⁻⁴ at 10 kHz for C ≤ 1.0 µF ≤ 20 x 10 ⁻⁴ at 1 kHz for C > 1µF |
| Long Term Stability (after two years) | |
| Storage Performance Capacitance Change ΔC/C | ≤ ± 2% |
| Corona (Partial Discharge Inception Voltage) | 200 VAC for 100 VDC, 200 VDC 250 VAC for 400, 630 VDC 300 VAC for 1000 |

MPER Case Code Reference Chart

.....

| First Letter | Second Letter | mm | | | |
|--------------|---------------|--------|-----------|--------|---------------|
| | | Length | Thickness | Height | Lead Diameter |
| A | A | 7.2 | 2.5 | 6.5 | 0.5 |
| | B | 7.2 | 3.5 | 7.5 | 0.5 |
| | C | 7.2 | 4.5 | 9.5 | 0.6 |
| | D | 7.2 | 5.0 | 10.0 | 0.6 |
| | D | 7.2 | 6.0 | 11.0 | 0.6 |
| B | A | 10.5 | 3.5 | 7.0 | 0.6 |
| | B | 10.5 | 4.0 | 9.0 | 0.6 |
| | C | 10.5 | 5.0 | 11.0 | 0.6 |
| | D | 10.5 | 6.0 | 12.0 | 0.6 |
| C | A | 13.0 | 4.0 | 9.5 | 0.8 |
| | B | 13.0 | 5.0 | 11.0 | 0.8 |
| | C | 13.0 | 6.0 | 12.0 | 0.8 |
| D | A | 18.0 | 5.0 | 11.0 | 0.8 |
| | B | 18.0 | 6.0 | 12.0 | 0.8 |
| | C | 18.0 | 6.0 | 12.5 | 0.8 |
| | D | 18.0 | 7.5 | 13.5 | 0.8 |
| | E | 18.0 | 7.5 | 14.0 | 0.8 |
| | F | 18.0 | 10.0 | 16.0 | 0.8 |
| E | A | 26.5 | 6.0 | 15.0 | 0.8 |
| | B | 26.5 | 7.0 | 16.5 | 0.8 |
| | C | 26.5 | 8.5 | 17.0 | 0.8 |
| | D | 26.5 | 10.0 | 19.0 | 0.8 |
| | E | 26.5 | 13.0 | 23.0 | 0.8 |
| F | A | 32.0 | 11.0 | 20.0 | 0.8 |
| | B | 32.0 | 13.0 | 22.5 | 0.8 |
| | C | 32.0 | 15.0 | 30.0 | 0.8 |
| G | A | 37.0 | 18.0 | 33.0 | 0.8 |

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| Cap (μ F) | Size (mm) | | | | | Part Description |
|-----------------------|---------------|-------------|----------------|--------------|----------|------------------|
| | D Diameter | L Length | T Thickness | S Spacing | ϕ d | |
| 50 VDC; 30 VAC | | | | | | |
| 0.1000 | 7.2 | 2.5 | 6.5 | 5 | 0.5 | MPER104*0050AAP1 |
| 0.1500 | 7.2 | 2.5 | 6.5 | 5 | 0.5 | MPER154*0050AAP1 |
| 0.2200 | 7.2 | 3.5 | 7.5 | 5 | 0.5 | MPER224*0050ABP1 |
| 0.3300 | 7.2 | 3.5 | 7.5 | 5 | 0.5 | MPER334*0050ABP1 |
| 0.4700 | 7.2 | 3.5 | 7.5 | 5 | 0.5 | MPER474*0050ABP1 |
| 0.6800 | 7.2 | 6.0 | 11.0 | 5 | 0.6 | MPER684*0050AEP1 |
| 0.8200 | 7.2 | 6.0 | 11.0 | 5 | 0.6 | MPER824*0050AEP1 |
| 1.0000 | 7.2 | 6.0 | 11.0 | 5 | 0.6 | MPER105*0050AEP1 |

| 63 VDC; 40 VAC | | | | | | |
|-----------------------|------|-----|------|------|-----|------------------|
| 0.0470 | 7.2 | 2.5 | 6.5 | 5.0 | 0.5 | MPER473*0063AAP1 |
| 0.0560 | 7.2 | 2.5 | 6.5 | 5.0 | 0.5 | MPER563*0063AAP1 |
| 0.0680 | 7.2 | 2.5 | 6.5 | 5.0 | 0.5 | MPER683*0063AAP1 |
| 0.0680 | 10.5 | 3.5 | 7.0 | 7.5 | 0.6 | MPER683*0063BAP2 |
| 0.0820 | 7.2 | 2.5 | 6.5 | 5.0 | 0.5 | MPER823*0063AAP1 |
| 0.1000 | 7.2 | 2.5 | 6.5 | 5.0 | 0.5 | MPER104*0063AAP1 |
| 0.1000 | 10.5 | 3.5 | 7.0 | 7.5 | 0.6 | MPER104*0063BAP2 |
| 0.1500 | 7.2 | 3.5 | 7.5 | 5.0 | 0.5 | MPER154*0063ABP1 |
| 0.1500 | 10.5 | 3.5 | 7.0 | 7.5 | 0.6 | MPER154*0063BAP2 |
| 0.1800 | 7.2 | 3.5 | 7.5 | 5.0 | 0.5 | MPER184*0063ABP1 |
| 0.2200 | 7.2 | 3.5 | 7.5 | 5.0 | 0.5 | MPER224*0063ABP1 |
| 0.2200 | 10.5 | 3.5 | 7.0 | 7.5 | 0.6 | MPER224*0063BAP2 |
| 0.2200 | 13.0 | 5.0 | 11.0 | 10.0 | 0.8 | MPER224*0063CBP3 |
| 0.2700 | 7.2 | 2.5 | 6.5 | 5.0 | 0.5 | MPER274*0063AAP1 |
| 0.2700 | 10.5 | 3.5 | 7.0 | 7.5 | 0.6 | MPER274*0063BAP2 |

| Cap (µF) | Size (mm) | | | | | Part Description |
|----------|------------|----------|-------------|-----------|-----|------------------|
| | D Diameter | L Length | T Thickness | S Spacing | ød | |
| 0.2700 | 13.0 | 5.0 | 11.0 | 10.0 | 0.8 | MPER274*0063CBP3 |
| 0.3300 | 7.2 | 3.5 | 7.5 | 5.0 | 0.5 | MPER334*0063ABP1 |
| 0.3300 | 10.5 | 3.5 | 7.0 | 7.5 | 0.6 | MPER334*0063BAP2 |
| 0.3300 | 13.0 | 6.0 | 12.0 | 10.0 | 0.8 | MPER334*0063CCP3 |
| 0.3900 | 13.0 | 6.0 | 12.0 | 10.0 | 0.8 | MPER394*0063CCP3 |
| 0.4700 | 7.2 | 3.5 | 7.5 | 5.0 | 0.5 | MPER474*0063ABP1 |
| 0.4700 | 10.5 | 4.0 | 9.0 | 7.5 | 0.6 | MPER474*0063BBP2 |
| 0.4700 | 13.0 | 6.0 | 12.0 | 10.0 | 0.8 | MPER474*0063CCP3 |
| 0.5600 | 13.0 | 5.0 | 11.0 | 10.0 | 0.8 | MPER564*0063CBP3 |
| 0.6800 | 7.2 | 4.5 | 9.5 | 5.0 | 0.6 | MPER684*0063ACP1 |
| 0.6800 | 10.5 | 5.0 | 11.0 | 7.5 | 0.6 | MPER684*0063BCP2 |
| 0.6800 | 13.0 | 5.0 | 11.0 | 10.0 | 0.8 | MPER684*0063CBP3 |
| 0.6800 | 18.0 | 6.0 | 12.0 | 15.0 | 0.8 | MPER684*0063DBP4 |
| 0.8200 | 13.0 | 6.0 | 12.0 | 10.0 | 0.8 | MPER824*0063CCP3 |
| 0.8200 | 18.0 | 7.5 | 13.5 | 15.0 | 0.8 | MPER824*0063DDP4 |
| 1.0000 | 7.2 | 6.0 | 11.0 | 5.0 | 0.6 | MPER105*0063AEP1 |
| 1.0000 | 10.5 | 5.0 | 11.0 | 7.5 | 0.6 | MPER105*0063BCP2 |
| 1.0000 | 18.0 | 7.5 | 13.5 | 15.0 | 0.8 | MPER105*0063DDP4 |
| 1.5000 | 18.0 | 6.0 | 12.5 | 15.0 | 0.8 | MPER155*0063DCP4 |
| 2.2000 | 18.0 | 7.5 | 14.0 | 15.0 | 0.8 | MPER225*0063DEP4 |
| 3.3000 | 18.0 | 10.0 | 16.0 | 15.0 | 0.8 | MPER335*0063DFP4 |
| 4.7000 | 26.5 | 8.5 | 17.0 | 22.5 | 0.8 | MPER475*0063ECP6 |
| 6.8000 | 26.5 | 10.0 | 19.0 | 22.5 | 0.8 | MPER685*0063EDP6 |
| 10.0000 | 26.5 | 13.0 | 23.0 | 22.5 | 0.8 | MPER106*0063EEP6 |

| 100 VDC; 63 VAC | | | | | | |
|------------------------|-----|-----|-----|-----|-----|------------------|
| | 7.2 | 2.5 | 6.5 | 5.0 | 0.5 | MPER102*0 P0AAA |
| 0.0015 | 7.2 | 2.5 | 6.5 | 5.0 | 0.5 | MPER152*0100AAP1 |
| 0.0022 | 7.2 | 2.5 | 6.5 | 5.0 | 0.5 | MPER222*0100AAP1 |
| 0.0027 | 7.2 | 2.5 | 6.5 | 5.0 | 0.5 | MPER272*0100AAP1 |
| 0.0033 | 7.2 | 2.5 | 6.5 | 5.0 | 0.5 | MPER332*0100AAP1 |
| 0.0039 | 7.2 | 2.5 | 6.5 | 5.0 | 0.5 | MPER392*0100AAP1 |
| 0.0047 | 7.2 | 2.5 | 6.5 | 5.0 | 0.5 | MPER472*0100AAP1 |
| 0.0056 | 7.2 | 2.5 | 6.5 | 5.0 | 0.5 | MPER562*0100AAP1 |
| 0.0068 | 7.2 | 2.5 | 6.5 | 5.0 | 0.5 | MPER682*0100AAP1 |
| 0.0082 | 7.2 | 2.5 | 6.5 | 5.0 | 0.5 | MPER822*0100AAP1 |

| Cap (μF) | Size (mm) | | | | | Part Description |
|-----------------------|---------------|-------------|----------------|--------------|----------|------------------|
| | D Diameter | L Length | T Thickness | S Spacing | ϕd | |
| 0.0100 | 7.2 | 2.5 | 6.5 | 5.0 | 0.5 | MPER103*0100AAP1 |
| 0.0150 | 7.2 | 2.5 | 6.5 | 5.0 | 0.5 | MPER153*0100AAP1 |
| 0.0180 | 7.2 | 2.5 | 6.5 | 5.0 | 0.5 | MPER183*0100AAP1 |
| 0.0220 | 7.2 | 2.5 | 6.5 | 5.0 | 0.5 | MPER223*0100AAP1 |
| 0.0270 | 7.2 | 2.5 | 6.5 | 5.0 | 0.5 | MPER273*0100AAP1 |
| 0.0330 | 7.2 | 2.5 | 6.5 | 5.0 | 0.5 | MPER333*0100AAP1 |
| 0.0330 | 10.5 | 3.5 | 7.0 | 7.5 | 0.6 | MPER333*0100BAP2 |
| 0.0390 | 7.2 | 2.5 | 6.5 | 5.0 | 0.5 | MPER393*0100AAP1 |
| 0.0470 | 7.2 | 2.5 | 6.5 | 5.0 | 0.5 | MPER473*0100AAP1 |
| 0.0470 | 10.5 | 3.5 | 7.0 | 7.5 | 0.6 | MPER473*0100BAP2 |
| 0.0680 | 7.2 | 2.5 | 6.5 | 5.0 | 0.5 | MPER683*0100AAP1 |
| 0.0680 | 10.5 | 3.5 | 7.0 | 7.5 | 0.6 | MPER683*0100BAP2 |
| 0.1000 | 7.2 | 2.5 | 6.5 | 5.0 | 0.5 | MPER104*0100AAP1 |
| 0.1000 | 10.5 | 3.5 | 7.0 | 7.5 | 0.6 | MPER104*0100BAP2 |
| 0.1200 | 10.5 | 4.0 | 9.0 | 7.5 | 0.6 | MPER124*0100BBP2 |
| 0.1500 | 7.2 | 4.5 | 9.5 | 5.0 | 0.6 | MPER154*0100ACP1 |
| 0.1500 | 10.5 | 4.0 | 9.0 | 7.5 | 0.6 | MPER154*0100BBP2 |
| 0.2200 | 7.2 | 5.0 | 10.0 | 5.0 | 0.6 | MPER224*0100ADP1 |
| 0.2200 | 10.5 | 5.0 | 11.0 | 7.5 | 0.6 | MPER224*0100BCP2 |
| 0.3300 | 10.5 | 5.0 | 11.0 | 7.5 | 0.6 | MPER334*0100BCP2 |

| 250 VDC; 160 VAC | | | | | | |
|-------------------------|------|-----|-----|-----|-----|------------------|
| 0.0033 | 7.2 | 2.5 | 6.5 | 5.0 | 0.5 | MPER332*0250AAP1 |
| 0.0047 | 7.2 | 2.5 | 6.5 | 5.0 | 0.5 | MPER472*0250AAP1 |
| 0.0068 | 7.2 | 2.5 | 6.5 | 5.0 | 0.5 | MPER682*0250AAP1 |
| 0.0100 | 7.2 | 2.5 | 6.5 | 5.0 | 0.5 | MPER103*0250AAP1 |
| 0.0100 | 10.5 | 3.5 | 7.0 | 7.5 | 0.6 | MPER103*0250BAP2 |
| 0.0150 | 7.2 | 2.5 | 6.5 | 5.0 | 0.5 | MPER153*0250AAP1 |
| 0.0150 | 10.5 | 3.5 | 7.0 | 7.5 | 0.6 | MPER153*0250BAP2 |
| 0.0180 | 10.5 | 3.5 | 7.0 | 7.5 | 0.6 | MPER183*0250BAP2 |
| 0.0220 | 7.2 | 3.5 | 7.5 | 5.0 | 0.5 | MPER223*0250ABP1 |
| 0.0220 | 10.5 | 3.5 | 7.0 | 7.5 | 0.6 | MPER223*0250BAP2 |
| 0.0270 | 10.5 | 4.0 | 9.0 | 7.5 | 0.6 | MPER273*0250BBP2 |
| 0.0330 | 7.2 | 3.5 | 7.5 | 5.0 | 0.5 | MPER333*0250ABP1 |
| 0.0330 | 10.5 | 4.0 | 9.0 | 7.5 | 0.6 | MPER333*0250BBP2 |
| 0.0390 | 10.5 | 4.0 | 9.0 | 7.5 | 0.6 | MPER393*0250BBP2 |

| Cap (µF) | Size (mm) | | | | | Part Description |
|----------|------------|----------|-------------|-----------|-----|------------------|
| | D Diameter | L Length | T Thickness | S Spacing | ød | |
| 0.0390 | 13.0 | 5.0 | 11.0 | 10.0 | 0.8 | MPER393*0400CBP3 |
| 0.0470 | 13.0 | 6.0 | 12.0 | 10.0 | 0.8 | MPER473*0400CCP3 |
| 0.0470 | 18.0 | 5.0 | 11.0 | 15.0 | 0.8 | MPER473*0400DAP4 |
| 0.0560 | 18.0 | 5.0 | 11.0 | 15.0 | 0.8 | MPER563*0400DAP4 |
| 0.0680 | 18.0 | 5.0 | 11.0 | 15.0 | 0.8 | MPER683*0400DAP4 |
| 0.0820 | 18.0 | 5.0 | 11.0 | 15.0 | 0.8 | MPER823*0400DAP4 |
| 0.1000 | 18.0 | 6.0 | 12.0 | 15.0 | 0.8 | MPER104*0400DBP4 |
| 0.1200 | 18.0 | 6.0 | 12.0 | 15.0 | 0.8 | MPER124*0400DBP4 |
| 0.1500 | 18.0 | 7.5 | 13.5 | 15.0 | 0.8 | MPER154*0400DDP4 |
| 0.1500 | 26.5 | 6.0 | 15.0 | 22.5 | 0.8 | MPER154*0400EAP6 |
| 0.1800 | 26.5 | 6.0 | 15.0 | 22.5 | 0.8 | MPER184*0400EAP6 |
| 0.2200 | 26.5 | 6.0 | 15.0 | 22.5 | 0.8 | MPER224*0400EAP6 |
| 0.2700 | 26.5 | 7.0 | 16.5 | 22.5 | 0.8 | MPER274*0400EBP6 |
| 0.3300 | 26.5 | 7.0 | 16.5 | 22.5 | 0.8 | MPER334*0400EBP6 |
| 0.3900 | 26.5 | 8.5 | 17.0 | 22.5 | 0.8 | MPER394*0400ECP6 |
| 0.4700 | 26.5 | 8.5 | 17.0 | 22.5 | 0.8 | MPER474*0400ECP6 |
| 0.5600 | 26.5 | 10.0 | 19.0 | 22.5 | 0.8 | MPER564*0400EDP6 |
| 0.6800 | 32.0 | 11.0 | 20.0 | 17.5 | 0.8 | MPER684*0400FAP7 |
| 0.8200 | 32.0 | 11.0 | 20.0 | 17.5 | 0.8 | MPER824*0400FAP7 |
| 1.0000 | 32.0 | 11.0 | 20.0 | 17.5 | 0.8 | MPER105*0400FAP7 |
| 1.0000 | 32.0 | 13.0 | 22.5 | 17.5 | 0.8 | MPER105*0400FBP7 |

| |
|-------------------------|
| 630 VDC; 220 VAC |
|-------------------------|

| | | | | | | |
|--------|------|-----|------|------|-----|------------------|
| 0.0010 | 10.5 | 3.5 | 7.0 | 7.5 | 0.6 | MPER102*0630BAP2 |
| 0.0015 | 10.5 | 3.5 | 7.0 | 7.5 | 0.6 | MPER152*0630BAP2 |
| 0.0022 | 10.5 | 3.5 | 7.0 | 7.5 | 0.6 | MPER222*0630BAP2 |
| 0.0033 | 10.5 | 3.5 | 7.0 | 7.5 | 0.6 | MPER332*0630BAP2 |
| 0.0039 | 13.0 | 4.0 | 9.5 | 10.0 | 0.8 | MPER392*0630CAP3 |
| 0.0047 | 10.5 | 4.0 | 9.0 | 7.5 | 0.6 | MPER472*0630BBP2 |
| 0.0047 | 13.0 | 4.0 | 9.5 | 10.0 | 0.8 | MPER472*0630CAP3 |
| 0.0056 | 13.0 | 4.0 | 9.5 | 10.0 | 0.8 | MPER562*0630CAP3 |
| 0.0068 | 10.5 | 4.0 | 9.0 | 7.5 | 0.6 | MPER682*0630BBP2 |
| 0.0068 | 13.0 | 4.0 | 9.5 | 10.0 | 0.8 | MPER682*0630CAP3 |
| 0.0082 | 13.0 | 4.0 | 9.5 | 10.0 | 0.8 | MPER822*0630CAP3 |
| 0.0100 | 10.5 | 5.0 | 11.0 | 7.5 | 0.6 | MPER103*0630BCP2 |
| 0.0100 | 13.0 | 4.0 | 9.5 | 10.0 | 0.8 | MPER103*0630CAP3 |

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| Cap (µF) | Size (mm) | | | | | Part Description |
|----------|------------|----------|-------------|-----------|-----|------------------|
| | D Diameter | L Length | T Thickness | S Spacing | ød | |
| 0.0120 | 13.0 | 5.0 | 11.0 | 10.0 | 0.8 | MPER123*0630CBP3 |
| 0.0150 | 10.5 | 6.0 | 12.0 | 7.5 | 0.6 | MPER153*0630BDP2 |
| 0.0150 | 13.0 | 5.0 | 11.0 | 10.0 | 0.8 | MPER153*0630CBP3 |
| 0.0180 | 13.0 | 5.0 | 11.0 | 10.0 | 0.8 | MPER183*0630CBP3 |
| 0.0220 | 13.0 | 6.0 | 12.0 | 10.0 | 0.8 | MPER223*0630CCP3 |
| 0.0270 | 18.0 | 5.0 | 11.0 | 15.0 | 0.8 | MPER273*0630DAP4 |
| 0.0330 | 18.0 | 5.0 | 11.0 | 15.0 | 0.8 | MPER333*0630DAP4 |
| 0.0390 | 18.0 | 6.0 | 12.0 | 15.0 | 0.8 | MPER393*0630DBP4 |
| 0.0470 | 18.0 | 6.0 | 12.0 | 15.0 | 0.8 | MPER473*0630DBP4 |
| 0.0560 | 18.0 | 6.0 | 12.0 | 15.0 | 0.8 | MPER563*0630DBP4 |
| 0.0680 | 18.0 | 7.5 | 13.5 | 15.0 | 0.8 | MPER683*0630DDP4 |
| 0.0680 | 26.5 | 6.0 | 15.0 | 22.5 | 0.8 | MPER683*0630EAP6 |
| 0.0820 | 26.5 | 6.0 | 15.0 | 22.5 | 0.8 | MPER823*0630EAP6 |
| 0.1000 | 26.5 | 6.0 | 15.0 | 22.5 | 0.8 | MPER104*0630EAP6 |
| 0.1200 | 26.5 | 7.0 | 16.5 | 22.5 | 0.8 | MPER124*0630EBP6 |
| 0.1500 | 26.5 | 7.0 | 16.5 | 22.5 | 0.8 | MPER154*0630EBP6 |
| 0.1800 | 26.5 | 8.5 | 17.0 | 22.5 | 0.8 | MPER184*0630ECP6 |
| 0.2200 | 26.5 | 8.5 | 17.0 | 22.5 | 0.8 | MPER224*0630ECP6 |
| 0.2700 | 32.0 | 13.0 | 22.5 | 17.5 | 0.8 | MPER274*0630FBP7 |
| 0.3300 | 32.0 | 11.0 | 20.0 | 17.5 | 0.8 | MPER334*0630FAP7 |
| 0.3900 | 32.0 | 11.0 | 20.0 | 17.5 | 0.8 | MPER394*0630FAP7 |
| 0.4700 | 32.0 | 13.0 | 22.5 | 17.5 | 0.8 | MPER474*0630FBP7 |

| 1000 VDC; 250 VAC | | | | | | |
|-------------------|------|-----|------|------|-----|------------------|
| 0.0022 | 13.0 | 4.0 | 9.5 | 10.0 | 0.8 | MPER222*1000CAP3 |
| 0.0027 | 13.0 | 4.0 | 9.5 | 10.0 | 0.8 | MPER272*1000CAP3 |
| 0.0033 | 13.0 | 4.0 | 9.5 | 10.0 | 0.8 | MPER332*1000CAP3 |
| 0.0039 | 13.0 | 5.0 | 11.0 | 10.0 | 0.8 | MPER392*1000CBP3 |
| 0.0047 | 13.0 | 5.0 | 11.0 | 10.0 | 0.8 | MPER472*1000CBP3 |
| 0.0056 | 13.0 | 5.0 | 11.0 | 10.0 | 0.8 | MPER562*1000CBP3 |
| 0.0068 | 13.0 | 5.0 | 11.0 | 10.0 | 0.8 | MPER682*1000CBP3 |
| 0.0082 | 13.0 | 5.0 | 11.0 | 10.0 | 0.8 | MPER822*1000CBP3 |
| 0.0100 | 18.0 | 5.0 | 11.0 | 15.0 | 0.8 | MPER103*1000DAP4 |
| 0.0120 | 18.0 | 5.0 | 11.0 | 15.0 | 0.8 | MPER123*1000DAP4 |
| 0.0150 | 18.0 | 6.0 | 12.0 | 15.0 | 0.8 | MPER153*1000DBP4 |
| 0.0180 | 18.0 | 6.0 | 12.0 | 15.0 | 0.8 | MPER183*1000DBP4 |

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| Cap (µF) | Size (mm) | | | | | Part Description |
|----------|---------------|-------------|----------------|--------------|-----|------------------|
| | D Diameter | L Length | T Thickness | S Spacing | ød | |
| 0.0220 | 18.0 | 6.0 | 12.0 | 15.0 | 0.8 | MPER223*1000DBP4 |
| 0.0270 | 18.0 | 7.5 | 13.5 | 15.0 | 0.8 | MPER273*1000DDP4 |
| 0.0330 | 26.5 | 6.0 | 15.0 | 22.5 | 0.8 | MPER333*1000EAP6 |
| 0.0390 | 26.5 | 6.0 | 15.0 | 22.5 | 0.8 | MPER393*1000EAP6 |
| 0.0470 | 26.5 | 6.0 | 15.0 | 22.5 | 0.8 | MPER473*1000EAP6 |
| 0.0560 | 26.5 | 7.0 | 16.5 | 22.5 | 0.8 | MPER563*1000EBP6 |
| 0.0680 | 26.5 | 7.0 | 16.5 | 22.5 | 0.8 | MPER683*1000EBP6 |
| 0.0820 | 26.5 | 8.5 | 17.0 | 22.5 | 0.8 | MPER823*1000ECP6 |
| 0.1000 | 26.5 | 8.5 | 17.0 | 22.5 | 0.8 | MPER104*1000ECP6 |
| 0.1200 | 26.5 | 10.0 | 19.0 | 22.5 | 0.8 | MPER124*1000EDP6 |
| 0.1500 | 32.0 | 11.0 | 20.0 | 17.5 | 0.8 | MPER154*1000FAP7 |
| 0.1800 | 32.0 | 13.0 | 22.5 | 17.5 | 0.8 | MPER184*1000FBP7 |
| 0.2200 | 32.0 | 13.0 | 22.5 | 17.5 | 0.8 | MPER224*1000FBP7 |
| 0.0022 | 13.0 | 4.0 | 9.5 | 10.0 | 0.8 | MPER222*1000CAP3 |
| 0.0027 | 13.0 | 4.0 | 9.5 | 10.0 | 0.8 | MPER272*1000CAP3 |
| 0.0033 | 13.0 | 4.0 | 9.5 | 10.0 | 0.8 | MPER332*1000CAP3 |
| 0.0039 | 13.0 | 5.0 | 11.0 | 10.0 | 0.8 | MPER392*1000CBP3 |
| 0.0047 | 13.0 | 5.0 | 11.0 | 10.0 | 0.8 | MPER472*1000CBP3 |
| 0.0056 | 13.0 | 5.0 | 11.0 | 10.0 | 0.8 | MPER562*1000CBP3 |
| 0.0068 | 13.0 | 5.0 | 11.0 | 10.0 | 0.8 | MPER682*1000CBP3 |
| 0.0082 | 13.0 | 5.0 | 11.0 | 10.0 | 0.8 | MPER822*1000CBP3 |
| 0.0100 | 18.0 | 5.0 | 11.0 | 15.0 | 0.8 | MPER103*1000DAP4 |
| 0.0120 | 18.0 | 5.0 | 11.0 | 15.0 | 0.8 | MPER123*1000DAP4 |
| 0.0150 | 18.0 | 6.0 | 12.0 | 15.0 | 0.8 | MPER153*1000DBP4 |
| 0.0180 | 18.0 | 6.0 | 12.0 | 15.0 | 0.8 | MPER183*1000DBP4 |
| 0.0220 | 18.0 | 6.0 | 12.0 | 15.0 | 0.8 | MPER223*1000DBP4 |
| 0.0270 | 18.0 | 7.5 | 13.5 | 15.0 | 0.8 | MPER273*1000DDP4 |
| 0.0330 | 26.5 | 6.0 | 15.0 | 22.5 | 0.8 | MPER333*1000EAP6 |
| 0.0390 | 26.5 | 6.0 | 15.0 | 22.5 | 0.8 | MPER393*1000EAP6 |
| 0.0470 | 26.5 | 6.0 | 15.0 | 22.5 | 0.8 | MPER473*1000EAP6 |
| 0.0560 | 26.5 | 7.0 | 16.5 | 22.5 | 0.8 | MPER563*1000EBP6 |
| 0.0680 | 26.5 | 7.0 | 16.5 | 22.5 | 0.8 | MPER683*1000EBP6 |
| 0.0820 | 26.5 | 8.5 | 17.0 | 22.5 | 0.8 | MPER823*1000ECP6 |
| 0.1000 | 26.5 | 8.5 | 17.0 | 22.5 | 0.8 | MPER104*1000ECP6 |
| 0.1200 | 26.5 | 10.0 | 19.0 | 22.5 | 0.8 | MPER124*1000EDP6 |
| 0.1500 | 32.0 | 11.0 | 20.0 | 17.5 | 0.8 | MPER154*1000FAP7 |

| Cap (μF) | Size (mm) | | | | | Part Description |
|-----------------------|---------------|-------------|----------------|--------------|----------|------------------|
| | D Diameter | L Length | T Thickness | S Spacing | ϕ d | |
| 0.1800 | 32.0 | 13.0 | 22.5 | 17.5 | 0.8 | MPER184*1000FBP7 |
| 0.2200 | 32.0 | 13.0 | 22.5 | 17.5 | 0.8 | MPER224*1000FBP7 |