

PVC6018 Datasheet



| | |
|------------------------------|--------------------------------------------------------|
| DiGi Electronics Part Number | PVC6018-DG |
| Manufacturer | Cornell Dubilier Electronics (CDE) |
| Manufacturer Product Number | PVC6018 |
| Description | CAP FILM 0.18UF 10% 600VDC RAD |
| Detailed Description | 0.18 μ F Film Capacitor 200V 600V Polyester Radial |

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Purchase and inquiry

Manufacturer Product Number:

PVC6018

Series:

PVC

Capacitance:

0.18 μ F

Voltage Rating - AC:

200V

Dielectric Material:

Polyester

Mounting Type:

Through Hole

Size / Dimension:

0.799" Dia x 1.598" L (20.30mm x 40.60mm)

Termination:

PC Pins

Applications:

General Purpose

Features:

-

Manufacturer:

Cornell Dubilier Electronics (CDE)

Product Status:

Obsolete

Tolerance:

\pm 10%

Voltage Rating - DC:

600V

Operating Temperature:

-55°C ~ 125°C

Package / Case:

Radial

Height - Seated (Max):

-

Lead Spacing:

1.343" (34.10mm)

Ratings:

-

Environmental & Export classification

RoHS Status:

ROHS3 Compliant

REACH Status:

REACH Unaffected

HTSUS:

8532.25.0070

Moisture Sensitivity Level (MSL):

1 (Unlimited)

ECCN:

EAR99

Type PVC Polyester and Polypropylene Film/Foil Capacitors

Polyester Film/Foil (100 V– 1000 V) and Polypropylene Film/Foil (1200 V - 2000 V)



The Type PVC is a sturdy film and extended foil construction ideal for bypass and coupling applications. Extended foil construction is as good as it gets for low DF and high current applications. The PVC is encapsulated in a rugged, flame retardant, epoxy coating with the leads crimped to provide secure seating on printed circuit boards.

Highlights

- ◆ RoHS Compliant
- ◆ Rugged epoxy case material meets UL94V0
- ◆ Film/foil polyester 100 – 1000 Vdc
- ◆ Film/foil polypropylene - 1200 Vdc to 2000 Vdc
- ◆ Non-inductively wound
- ◆ Non-polar
- ◆ Crimped leads for secure PC board insertion
- ◆ Lead material: tinned copper clad steel

Specifications

Capacitance Range: 0.001 μ F to 1.0 μ F

Capacitance Tolerance: \pm 10%

Voltage Range: Polyester: 100 Vdc to 1000 Vdc (70 Vac – 200 Vac 50/60 Hz)

Polypropylene: 1200 Vdc to 2000 Vdc (475 Vac – 500 Vac 50/60 Hz)

Operating Temperature Range: Polyester: -55°C to $+125^{\circ}\text{C}$

Polypropylene: -55°C to $+105^{\circ}\text{C}$

(Full rated voltage up to 85°C . Derate linearly to 50% rated voltage at max temperature)

Insulation Resistance (IR): Polyester: 100,000 $\text{M}\Omega$ for $\leq 0.25 \mu\text{F}$, 25,000 $\text{M}\Omega \cdot \mu\text{F}$ for $\geq 0.25 \mu\text{F}$

Polypropylene: 400,000 $\text{M}\Omega$ for $\leq 0.50 \mu\text{F}$, 200,000 $\text{M}\Omega \cdot \mu\text{F}$ for $\geq 0.50 \mu\text{F}$

After 2 minutes at rated voltage or 500V whichever is less. $+25^{\circ}\text{C}$

0.75% max for $<1200 \text{ V}$, 0.1% max for $\geq 1200 \text{ V}$. $+25^{\circ}\text{C}$

Dissipation Factor (DF): 250% rated voltage for $<1000 \text{ V}$, 200% rated voltage for $\geq 1000 \text{ V}$. 5 sec-

Dielectric Withstand Voltage: onds, $+25^{\circ}\text{C}$

500 hours at $+85^{\circ}\text{C}$, 1.5 times rated DC voltage

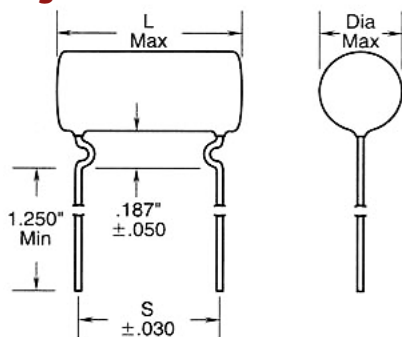
Life Test:



Complies with the EU Directive 2002/95/EC requirement restricting the use of Lead (Pb), Mercury (Hg), Cadmium (Cd), Hexavalent chromium (Cr(VI)), PolyBrominated Biphenyls (PBB) and PolyBrominated Diphenyl Ethers (PBDE).

Type PVC Polyester and Polypropylene Film/Foil Capacitors

Outline Drawing



Lead Pull Test

Capacitor leads shall withstand a steady pull of 5 pounds applied radially to the capacitor body for 1 minute.

Lead Bend Test

Capacitor leads shall be bent without breakage below the lead crimp, first 90° in one direction then back to the original position and then 90° in the opposite direction.

Ratings

| Catalog Part Number | Cap (μF) | Inches | | | | Millimeters | | | |
|--------------------------|----------|--------|---------|----------------|-------|-------------|---------|----------------|-----|
| | | L Max | Dia Max | S Lead Spacing | ∅d | L Max | Dia Max | S Lead Spacing | ∅d |
| 100 Vdc / 70 Vac | | | | | | | | | |
| PVC1118 | 0.018 | 0.7 | 0.33 | 0.500 | 0.032 | 17.8 | 8.4 | 12.7 | 0.8 |
| PVC1122 | 0.022 | 0.7 | 0.35 | 0.500 | 0.032 | 17.8 | 8.9 | 12.7 | 0.8 |
| PVC1127 | 0.027 | 0.7 | 0.35 | 0.500 | 0.032 | 17.8 | 8.9 | 12.7 | 0.8 |
| PVC1133 | 0.033 | 0.7 | 0.35 | 0.500 | 0.032 | 17.8 | 8.9 | 12.7 | 0.8 |
| PVC114 | 0.040 | 0.7 | 0.35 | 0.500 | 0.032 | 17.8 | 8.9 | 12.7 | 0.8 |
| PVC1147 | 0.047 | 0.7 | 0.35 | 0.500 | 0.032 | 17.8 | 8.9 | 12.7 | 0.8 |
| PVC1156 | 0.056 | 0.7 | 0.38 | 0.500 | 0.032 | 17.8 | 9.7 | 12.7 | 0.8 |
| PVC1168 | 0.068 | 0.7 | 0.38 | 0.500 | 0.032 | 17.8 | 9.7 | 12.7 | 0.8 |
| PVC1182 | 0.082 | 0.9 | 0.40 | 0.688 | 0.032 | 22.9 | 10.2 | 17.5 | 0.8 |
| PVC101 | 0.10 | 0.9 | 0.40 | 0.688 | 0.032 | 22.9 | 10.2 | 17.5 | 0.8 |
| PVC1015 | 0.15 | 0.9 | 0.45 | 0.688 | 0.032 | 22.9 | 11.4 | 17.5 | 0.8 |
| PVC1022 | 0.22 | 1.2 | 0.45 | 0.969 | 0.032 | 30.5 | 11.4 | 24.6 | 0.8 |
| PVC1025 | 0.25 | 1.2 | 0.50 | 0.969 | 0.032 | 30.5 | 12.7 | 24.6 | 0.8 |
| PVC1033 | 0.33 | 1.2 | 0.50 | 0.969 | 0.032 | 30.5 | 12.7 | 24.6 | 0.8 |
| PVC1039 | 0.39 | 1.6 | 0.50 | 1.344 | 0.032 | 40.6 | 12.7 | 34.1 | 0.8 |
| PVC1047 | 0.47 | 1.6 | 0.50 | 1.344 | 0.032 | 40.6 | 12.7 | 34.1 | 0.8 |
| PVC105 | 0.50 | 1.6 | 0.60 | 1.344 | 0.032 | 40.6 | 15.2 | 34.1 | 0.8 |
| PVC1056 | 0.56 | 1.6 | 0.60 | 1.344 | 0.032 | 40.6 | 15.2 | 34.1 | 0.8 |
| PVC1068 | 0.68 | 1.6 | 0.60 | 1.344 | 0.032 | 40.6 | 15.2 | 34.1 | 0.8 |
| PVC1082 | 0.82 | 1.6 | 0.65 | 1.344 | 0.032 | 40.6 | 16.5 | 34.1 | 0.8 |
| PVC11 | 1.00 | 1.6 | 0.70 | 1.344 | 0.032 | 40.6 | 17.8 | 34.1 | 0.8 |
| 200 Vdc / 140 Vac | | | | | | | | | |
| PVC211 | 0.010 | 0.7 | 0.33 | 0.500 | 0.032 | 17.8 | 8.4 | 12.7 | 0.8 |
| PVC2115 | 0.015 | 0.7 | 0.33 | 0.500 | 0.032 | 17.8 | 8.4 | 12.7 | 0.8 |
| PVC2118 | 0.018 | 0.7 | 0.33 | 0.500 | 0.032 | 17.8 | 8.4 | 12.7 | 0.8 |
| PVC212 | 0.020 | 0.7 | 0.33 | 0.500 | 0.032 | 17.8 | 8.4 | 12.7 | 0.8 |
| PVC2122 | 0.022 | 0.7 | 0.33 | 0.500 | 0.032 | 17.8 | 8.4 | 12.7 | 0.8 |
| PVC2133 | 0.033 | 0.9 | 0.38 | 0.688 | 0.032 | 22.9 | 9.7 | 17.5 | 0.8 |
| PVC2139 | 0.039 | 0.9 | 0.38 | 0.688 | 0.032 | 22.9 | 9.7 | 17.5 | 0.8 |
| PVC214 | 0.040 | 0.9 | 0.38 | 0.688 | 0.032 | 22.9 | 9.7 | 17.5 | 0.8 |
| PVC2147 | 0.047 | 0.9 | 0.38 | 0.688 | 0.032 | 22.9 | 9.7 | 17.5 | 0.8 |
| PVC215 | 0.050 | 0.9 | 0.38 | 0.688 | 0.032 | 22.9 | 9.7 | 17.5 | 0.8 |
| PVC2156 | 0.056 | 1.2 | 0.38 | 0.969 | 0.032 | 30.5 | 9.7 | 24.6 | 0.8 |

Type PVC Polyester and Polypropylene Film/Foil Capacitors

RoHS Compliant

| Catalog Part Number | Cap (µF) | Inches | | | | Millimeters | | | |
|--------------------------|----------|--------|---------|----------------|-------|-------------|---------|----------------|-----|
| | | L Max | Dia Max | S Lead Spacing | ∅d | L Max | Dia Max | S Lead Spacing | ∅d |
| 200 Vdc / 140 Vac | | | | | | | | | |
| PVC2168 | 0.068 | 1.2 | 0.38 | 0.969 | 0.032 | 30.5 | 9.7 | 24.6 | 0.8 |
| PVC2182 | 0.082 | 1.2 | 0.40 | 0.969 | 0.032 | 30.5 | 10.2 | 24.6 | 0.8 |
| PVC201 | 0.10 | 1.2 | 0.40 | 0.969 | 0.032 | 30.5 | 10.2 | 24.6 | 0.8 |
| PVC2015 | 0.15 | 1.2 | 0.45 | 0.969 | 0.032 | 30.5 | 11.4 | 24.6 | 0.8 |
| PVC2022 | 0.22 | 1.2 | 0.50 | 0.969 | 0.032 | 30.5 | 12.7 | 24.6 | 0.8 |
| PVC2025 | 0.25 | 1.2 | 0.50 | 0.969 | 0.032 | 30.5 | 12.7 | 24.6 | 0.8 |
| PVC2027 | 0.27 | 1.6 | 0.47 | 1.344 | 0.032 | 40.6 | 11.9 | 34.1 | 0.8 |
| PVC2033 | 0.33 | 1.6 | 0.47 | 1.344 | 0.032 | 40.6 | 11.9 | 34.1 | 0.8 |
| PVC2047 | 0.47 | 1.6 | 0.56 | 1.344 | 0.032 | 40.6 | 14.2 | 34.1 | 0.8 |
| PVC205 | 0.50 | 1.6 | 0.56 | 1.344 | 0.032 | 40.6 | 14.2 | 34.1 | 0.8 |
| 400 Vdc / 200 Vac | | | | | | | | | |
| PVC421 | 0.0010 | 0.7 | 0.30 | 0.500 | 0.032 | 17.8 | 7.6 | 12.7 | 0.8 |
| PVC4222 | 0.0022 | 0.7 | 0.30 | 0.500 | 0.032 | 17.8 | 7.6 | 12.7 | 0.8 |
| PVC4233 | 0.0033 | 0.7 | 0.30 | 0.500 | 0.032 | 17.8 | 7.6 | 12.7 | 0.8 |
| PVC4247 | 0.0047 | 0.7 | 0.30 | 0.500 | 0.032 | 17.8 | 7.6 | 12.7 | 0.8 |
| PVC4268 | 0.0068 | 0.7 | 0.33 | 0.500 | 0.032 | 17.8 | 8.4 | 12.7 | 0.8 |
| PVC411 | 0.010 | 0.7 | 0.35 | 0.500 | 0.032 | 17.8 | 8.9 | 12.7 | 0.8 |
| PVC412 | 0.020 | 0.9 | 0.39 | 0.688 | 0.032 | 22.9 | 9.9 | 17.5 | 0.8 |
| PVC4133 | 0.033 | 0.9 | 0.40 | 0.688 | 0.032 | 22.9 | 10.2 | 17.5 | 0.8 |
| PVC4147 | 0.047 | 1.2 | 0.40 | 0.969 | 0.032 | 30.5 | 10.2 | 24.6 | 0.8 |
| PVC415 | 0.050 | 1.2 | 0.45 | 0.969 | 0.032 | 30.5 | 11.4 | 24.6 | 0.8 |
| PVC4156 | 0.056 | 1.2 | 0.45 | 0.969 | 0.032 | 30.5 | 11.4 | 24.6 | 0.8 |
| PVC4168 | 0.068 | 1.2 | 0.45 | 0.969 | 0.032 | 30.5 | 11.4 | 24.6 | 0.8 |
| PVC4182 | 0.082 | 1.2 | 0.52 | 0.969 | 0.032 | 30.5 | 13.2 | 24.6 | 0.8 |
| PVC401 | 0.10 | 1.2 | 0.53 | 0.969 | 0.032 | 30.5 | 13.5 | 24.6 | 0.8 |
| PVC4015 | 0.15 | 1.2 | 0.57 | 0.969 | 0.032 | 30.5 | 14.5 | 24.6 | 0.8 |
| PVC4018 | 0.18 | 1.6 | 0.60 | 1.344 | 0.032 | 40.6 | 15.2 | 34.1 | 0.8 |
| PVC4022 | 0.22 | 1.6 | 0.60 | 1.344 | 0.032 | 40.6 | 15.2 | 34.1 | 0.8 |
| PVC4025 | 0.25 | 1.6 | 0.65 | 1.344 | 0.032 | 40.6 | 16.5 | 34.1 | 0.8 |
| PVC4033 | 0.33 | 1.6 | 0.65 | 1.344 | 0.032 | 40.6 | 16.5 | 34.1 | 0.8 |
| PVC4039 | 0.39 | 1.6 | 0.72 | 1.344 | 0.032 | 40.6 | 18.3 | 34.1 | 0.8 |
| PVC4047 | 0.47 | 1.6 | 0.80 | 1.344 | 0.032 | 40.6 | 20.3 | 34.1 | 0.8 |
| 600 Vdc / 200 Vac | | | | | | | | | |
| PVC621 | 0.0010 | 0.7 | 0.30 | 0.500 | 0.032 | 17.8 | 7.6 | 12.7 | 0.8 |
| PVC6212 | 0.0012 | 0.7 | 0.33 | 0.500 | 0.032 | 17.8 | 8.4 | 12.7 | 0.8 |
| PVC6215 | 0.0015 | 0.7 | 0.33 | 0.500 | 0.032 | 17.8 | 8.4 | 12.7 | 0.8 |
| PVC6218 | 0.0018 | 0.7 | 0.33 | 0.500 | 0.032 | 17.8 | 8.4 | 12.7 | 0.8 |
| PVC622 | 0.0020 | 0.7 | 0.33 | 0.500 | 0.032 | 17.8 | 8.4 | 12.7 | 0.8 |
| PVC6222 | 0.0022 | 0.7 | 0.33 | 0.500 | 0.032 | 17.8 | 8.4 | 12.7 | 0.8 |
| PVC6225 | 0.0025 | 0.7 | 0.34 | 0.500 | 0.032 | 17.8 | 8.6 | 12.7 | 0.8 |
| PVC6227 | 0.0027 | 0.7 | 0.35 | 0.500 | 0.032 | 17.8 | 8.9 | 12.7 | 0.8 |
| PVC623 | 0.0030 | 0.7 | 0.35 | 0.500 | 0.032 | 17.8 | 8.9 | 12.7 | 0.8 |
| PVC6233 | 0.0033 | 0.7 | 0.35 | 0.500 | 0.032 | 17.8 | 8.9 | 12.7 | 0.8 |
| PVC6239 | 0.0039 | 0.7 | 0.38 | 0.500 | 0.032 | 17.8 | 9.7 | 12.7 | 0.8 |
| PVC624 | 0.0040 | 0.7 | 0.38 | 0.500 | 0.032 | 17.8 | 9.7 | 12.7 | 0.8 |
| PVC6247 | 0.0047 | 0.7 | 0.38 | 0.500 | 0.032 | 17.8 | 9.7 | 12.7 | 0.8 |
| PVC625 | 0.0050 | 0.7 | 0.38 | 0.500 | 0.032 | 17.8 | 9.7 | 12.7 | 0.8 |
| PVC6256 | 0.0056 | 0.7 | 0.40 | 0.500 | 0.032 | 17.8 | 10.2 | 12.7 | 0.8 |

Type PVC Polyester and Polypropylene Film/Foil Capacitors**RoHS Compliant**

| Catalog Part Number | Cap (μ F) | Inches | | | | Millimeters | | | |
|---------------------------|-------------------|----------|------------|-------------------|-----------------|-------------|------------|-------------------|-----------------|
| | | L Max | Dia Max | S Lead Spacing | \varnothing d | L Max | Dia Max | S Lead Spacing | \varnothing d |
| 600 Vdc / 200 Vac | | | | | | | | | |
| PVC626 | 0.0060 | 0.7 | 0.40 | 0.500 | 0.032 | 17.8 | 10.2 | 12.7 | 0.8 |
| PVC6268 | 0.0068 | 0.7 | 0.40 | 0.500 | 0.032 | 17.8 | 10.2 | 12.7 | 0.8 |
| PVC6275 | 0.0075 | 0.7 | 0.40 | 0.500 | 0.032 | 17.8 | 10.2 | 12.7 | 0.8 |
| PVC628 | 0.0080 | 0.9 | 0.40 | 0.688 | 0.032 | 22.9 | 10.2 | 17.5 | 0.8 |
| PVC6282 | 0.0082 | 0.9 | 0.40 | 0.688 | 0.032 | 22.9 | 10.2 | 17.5 | 0.8 |
| PVC611 | 0.010 | 0.9 | 0.40 | 0.688 | 0.032 | 22.9 | 10.2 | 17.5 | 0.8 |
| PVC6112 | 0.012 | 0.9 | 0.40 | 0.688 | 0.032 | 22.9 | 10.2 | 17.5 | 0.8 |
| PVC6115 | 0.015 | 0.9 | 0.40 | 0.688 | 0.032 | 22.9 | 10.2 | 17.5 | 0.8 |
| PVC6118 | 0.018 | 0.9 | 0.45 | 0.688 | 0.032 | 22.9 | 11.4 | 17.5 | 0.8 |
| PVC612 | 0.020 | 0.9 | 0.45 | 0.688 | 0.032 | 22.9 | 11.4 | 17.5 | 0.8 |
| PVC6122 | 0.022 | 0.9 | 0.45 | 0.688 | 0.032 | 22.9 | 11.4 | 17.5 | 0.8 |
| PVC6125 | 0.025 | 0.9 | 0.45 | 0.688 | 0.032 | 22.9 | 11.4 | 17.5 | 0.8 |
| PVC6127 | 0.027 | 1.2 | 0.45 | 0.969 | 0.032 | 30.5 | 11.4 | 24.6 | 0.8 |
| PVC613 | 0.030 | 1.2 | 0.45 | 0.969 | 0.032 | 30.5 | 11.4 | 24.6 | 0.8 |
| PVC6133 | 0.033 | 1.2 | 0.45 | 0.969 | 0.032 | 30.5 | 11.4 | 24.6 | 0.8 |
| PVC6139 | 0.039 | 1.2 | 0.56 | 0.969 | 0.032 | 30.5 | 14.2 | 24.6 | 0.8 |
| PVC614 | 0.040 | 1.2 | 0.56 | 0.969 | 0.032 | 30.5 | 14.2 | 24.6 | 0.8 |
| PVC6147 | 0.047 | 1.2 | 0.56 | 0.969 | 0.032 | 30.5 | 14.2 | 24.6 | 0.8 |
| PVC615 | 0.050 | 1.2 | 0.56 | 0.969 | 0.032 | 30.5 | 14.2 | 24.6 | 0.8 |
| PVC6156 | 0.056 | 1.2 | 0.60 | 0.969 | 0.032 | 30.5 | 15.2 | 24.6 | 0.8 |
| PVC6168 | 0.068 | 1.2 | 0.60 | 0.969 | 0.032 | 30.5 | 15.2 | 24.6 | 0.8 |
| PVC6182 | 0.082 | 1.2 | 0.65 | 0.969 | 0.032 | 30.5 | 16.5 | 24.6 | 0.8 |
| PVC601 | 0.10 | 1.2 | 0.65 | 0.969 | 0.032 | 30.5 | 16.5 | 24.6 | 0.8 |
| PVC6012 | 0.12 | 1.6 | 0.70 | 1.344 | 0.032 | 40.6 | 17.8 | 34.1 | 0.8 |
| PVC6015 | 0.15 | 1.6 | 0.70 | 1.344 | 0.032 | 40.6 | 17.8 | 34.1 | 0.8 |
| PVC6018 | 0.18 | 1.6 | 0.80 | 1.344 | 0.032 | 40.6 | 20.3 | 34.1 | 0.8 |
| PVC602 | 0.20 | 1.6 | 0.80 | 1.344 | 0.032 | 40.6 | 20.3 | 34.1 | 0.8 |
| PVC6022 | 0.22 | 1.6 | 0.80 | 1.344 | 0.032 | 40.6 | 20.3 | 34.1 | 0.8 |
| PVC6025 | 0.25 | 1.6 | 0.80 | 1.344 | 0.032 | 40.6 | 20.3 | 34.1 | 0.8 |
| PVC6033 | 0.33 | 1.81 | 0.89 | 1.531 | 0.032 | 46.0 | 22.6 | 38.9 | 0.8 |
| 1000 Vdc / 200 Vac | | | | | | | | | |
| PVC1021 | 0.0010 | 0.7 | 0.33 | 0.500 | 0.032 | 17.8 | 8.4 | 12.7 | 0.8 |
| PVC10215 | 0.0015 | 0.7 | 0.33 | 0.500 | 0.032 | 17.8 | 8.4 | 12.7 | 0.8 |
| PVC10218 | 0.0018 | 0.7 | 0.35 | 0.500 | 0.032 | 17.8 | 8.9 | 12.7 | 0.8 |
| PVC10222 | 0.0022 | 0.7 | 0.35 | 0.500 | 0.032 | 17.8 | 8.9 | 12.7 | 0.8 |
| PVC10233 | 0.0033 | 0.9 | 0.35 | 0.688 | 0.032 | 22.9 | 8.9 | 17.5 | 0.8 |
| PVC10247 | 0.0047 | 0.9 | 0.40 | 0.688 | 0.032 | 22.9 | 10.2 | 17.5 | 0.8 |
| PVC10256 | 0.0056 | 0.9 | 0.43 | 0.688 | 0.032 | 22.9 | 10.9 | 17.5 | 0.8 |
| PVC10268 | 0.0068 | 0.9 | 0.43 | 0.688 | 0.032 | 22.9 | 10.9 | 17.5 | 0.8 |
| PVC10282 | 0.0082 | 0.9 | 0.48 | 0.688 | 0.032 | 22.9 | 12.2 | 17.5 | 0.8 |
| PVC1011 | 0.010 | 0.9 | 0.48 | 0.688 | 0.032 | 22.9 | 12.2 | 17.5 | 0.8 |
| PVC10115 | 0.015 | 1.2 | 0.48 | 0.969 | 0.032 | 30.5 | 12.2 | 24.6 | 0.8 |
| PVC10118 | 0.018 | 1.2 | 0.58 | 0.969 | 0.032 | 30.5 | 14.7 | 24.6 | 0.8 |
| PVC10122 | 0.022 | 1.2 | 0.58 | 0.969 | 0.032 | 30.5 | 14.7 | 24.6 | 0.8 |
| PVC10127 | 0.027 | 1.2 | 0.65 | 0.969 | 0.032 | 30.5 | 16.5 | 24.6 | 0.8 |
| PVC10133 | 0.033 | 1.2 | 0.65 | 0.969 | 0.032 | 30.5 | 16.5 | 24.6 | 0.8 |

Type PVC Polyester and Polypropylene Film/Foil Capacitors**RoHS Compliant**

| Catalog Part Number | Cap (μ F) | Inches | | | | Millimeters | | | |
|---------------------------|-------------------|----------|------------|-------------------|-----------------|-------------|------------|-------------------|-----------------|
| | | L Max | Dia Max | S Lead Spacing | \varnothing d | L Max | Dia Max | S Lead Spacing | \varnothing d |
| 1000 Vdc / 200 Vac | | | | | | | | | |
| PVC10139 | 0.039 | 1.6 | 0.65 | 1.344 | 0.032 | 40.6 | 16.5 | 34.1 | 0.8 |
| PVC10147 | 0.047 | 1.6 | 0.65 | 1.344 | 0.032 | 40.6 | 16.5 | 34.1 | 0.8 |
| PVC10156 | 0.056 | 1.6 | 0.75 | 1.344 | 0.032 | 40.6 | 19.1 | 34.1 | 0.8 |
| PVC10168 | 0.068 | 1.6 | 0.75 | 1.344 | 0.032 | 40.6 | 19.1 | 34.1 | 0.8 |
| PVC10182 | 0.082 | 1.6 | 0.85 | 1.344 | 0.032 | 40.6 | 21.6 | 34.1 | 0.8 |
| PVC10010 | 0.100 | 1.6 | 0.85 | 1.344 | 0.032 | 40.6 | 21.6 | 34.1 | 0.8 |
| 1200 Vdc / 475 Vac | | | | | | | | | |
| PVC1221 | 0.0010 | 1.25 | 0.42 | 0.969 | 0.032 | 31.8 | 10.7 | 24.6 | 0.8 |
| PVC12212 | 0.0012 | 1.25 | 0.42 | 0.969 | 0.032 | 31.8 | 10.7 | 24.6 | 0.8 |
| PVC12215 | 0.0015 | 1.25 | 0.42 | 0.969 | 0.032 | 31.8 | 10.7 | 24.6 | 0.8 |
| PVC12218 | 0.0018 | 1.25 | 0.42 | 0.969 | 0.032 | 31.8 | 10.7 | 24.6 | 0.8 |
| PVC12222 | 0.0022 | 1.25 | 0.42 | 0.969 | 0.032 | 31.8 | 10.7 | 24.6 | 0.8 |
| PVC12227 | 0.0027 | 1.25 | 0.42 | 0.969 | 0.032 | 31.8 | 10.7 | 24.6 | 0.8 |
| PVC12233 | 0.0033 | 1.25 | 0.42 | 0.969 | 0.032 | 31.8 | 10.7 | 24.6 | 0.8 |
| PVC12239 | 0.0039 | 1.25 | 0.42 | 0.969 | 0.032 | 31.8 | 10.7 | 24.6 | 0.8 |
| PVC12247 | 0.0047 | 1.25 | 0.42 | 0.969 | 0.032 | 31.8 | 10.7 | 24.6 | 0.8 |
| PVC12256 | 0.0056 | 1.25 | 0.44 | 0.969 | 0.032 | 31.8 | 11.2 | 24.6 | 0.8 |
| PVC12268 | 0.0068 | 1.25 | 0.47 | 0.969 | 0.032 | 31.8 | 11.9 | 24.6 | 0.8 |
| PVC12282 | 0.0082 | 1.25 | 0.50 | 0.969 | 0.032 | 31.8 | 12.7 | 24.6 | 0.8 |
| PVC1211 | 0.010 | 1.25 | 0.53 | 0.969 | 0.032 | 31.8 | 13.5 | 24.6 | 0.8 |
| PVC12112 | 0.012 | 1.25 | 0.57 | 0.969 | 0.032 | 31.8 | 14.5 | 24.6 | 0.8 |
| PVC12115 | 0.015 | 1.25 | 0.61 | 0.969 | 0.032 | 31.8 | 15.5 | 24.6 | 0.8 |
| PVC12118 | 0.018 | 1.65 | 0.56 | 1.344 | 0.032 | 41.9 | 14.2 | 34.1 | 0.8 |
| PVC12122 | 0.022 | 1.65 | 0.60 | 1.344 | 0.032 | 41.9 | 15.2 | 34.1 | 0.8 |
| PVC12127 | 0.027 | 1.65 | 0.65 | 1.344 | 0.032 | 41.9 | 16.5 | 34.1 | 0.8 |
| PVC12133 | 0.033 | 1.65 | 0.70 | 1.344 | 0.032 | 41.9 | 17.8 | 34.1 | 0.8 |
| PVC12139 | 0.039 | 1.65 | 0.74 | 1.344 | 0.032 | 41.9 | 18.8 | 34.1 | 0.8 |
| PVC12147 | 0.047 | 1.65 | 0.80 | 1.344 | 0.032 | 41.9 | 20.3 | 34.1 | 0.8 |
| 1600 Vdc / 475 Vac | | | | | | | | | |
| PVC1621 | 0.0010 | 1.25 | 0.42 | 0.969 | 0.032 | 31.8 | 10.7 | 24.6 | 0.8 |
| PVC16215 | 0.0015 | 1.25 | 0.42 | 0.969 | 0.032 | 31.8 | 10.7 | 24.6 | 0.8 |
| PVC16222 | 0.0022 | 1.25 | 0.42 | 0.969 | 0.032 | 31.8 | 10.7 | 24.6 | 0.8 |
| PVC16227 | 0.0027 | 1.25 | 0.42 | 0.969 | 0.032 | 31.8 | 10.7 | 24.6 | 0.8 |
| PVC1623 | 0.0030 | 1.25 | 0.42 | 0.969 | 0.032 | 31.8 | 10.7 | 24.6 | 0.8 |
| PVC16233 | 0.0033 | 1.25 | 0.42 | 0.969 | 0.032 | 31.8 | 10.7 | 24.6 | 0.8 |
| PVC1624 | 0.0040 | 1.25 | 0.42 | 0.969 | 0.032 | 31.8 | 10.7 | 24.6 | 0.8 |
| PVC16247 | 0.0047 | 1.25 | 0.42 | 0.969 | 0.032 | 31.8 | 10.7 | 24.6 | 0.8 |
| PVC1625 | 0.0050 | 1.25 | 0.42 | 0.969 | 0.032 | 31.8 | 10.7 | 24.6 | 0.8 |
| PVC1626 | 0.0060 | 1.25 | 0.44 | 0.969 | 0.032 | 31.8 | 11.2 | 24.6 | 0.8 |
| PVC16268 | 0.0068 | 1.25 | 0.47 | 0.969 | 0.032 | 31.8 | 11.9 | 24.6 | 0.8 |
| PVC1627 | 0.0070 | 1.25 | 0.50 | 0.969 | 0.032 | 31.8 | 12.7 | 24.6 | 0.8 |
| PVC16275 | 0.0075 | 1.25 | 0.50 | 0.969 | 0.032 | 31.8 | 12.7 | 24.6 | 0.8 |
| PVC1628 | 0.0080 | 1.25 | 0.50 | 0.969 | 0.032 | 31.8 | 12.7 | 24.6 | 0.8 |
| PVC16282 | 0.0082 | 1.25 | 0.50 | 0.969 | 0.032 | 31.8 | 12.7 | 24.6 | 0.8 |

Type PVC Polyester and Polypropylene Film/Foil Capacitors**RoHS Compliant**

| Catalog Part Number | Cap (μ F) | Inches | | | | Millimeters | | | |
|---------------------------|-------------------|----------|------------|-------------------|-----------------|-------------|------------|-------------------|-----------------|
| | | L Max | Dia Max | S Lead Spacing | \varnothing d | L Max | Dia Max | S Lead Spacing | \varnothing d |
| 1600 Vdc / 475 Vac | | | | | | | | | |
| PVC1611 | 0.010 | 1.25 | 0.53 | 0.969 | 0.032 | 31.8 | 13.5 | 24.6 | 0.8 |
| PVC16115 | 0.015 | 1.25 | 0.61 | 1.344 | 0.032 | 33.8 | 15.5 | 34.1 | 0.8 |
| PVC1612 | 0.020 | 1.65 | 0.60 | 1.344 | 0.032 | 41.9 | 15.2 | 34.1 | 0.8 |
| PVC16122 | 0.022 | 1.65 | 0.60 | 1.344 | 0.032 | 41.9 | 15.2 | 34.1 | 0.8 |
| PVC16133 | 0.033 | 1.65 | 0.70 | 1.344 | 0.032 | 41.9 | 17.8 | 34.1 | 0.8 |
| PVC16147 | 0.047 | 1.65 | 0.80 | 1.344 | 0.032 | 41.9 | 20.3 | 34.1 | 0.8 |
| PVC1615 | 0.050 | 1.65 | 0.85 | 1.344 | 0.032 | 41.9 | 21.6 | 34.1 | 0.8 |
| 2000 Vdc / 500 Vac | | | | | | | | | |
| PVC2X21 | 0.0010 | 1.25 | 0.33 | 0.969 | 0.032 | 31.8 | 8.4 | 24.6 | 0.8 |
| PVC2X212 | 0.0012 | 1.25 | 0.34 | 0.969 | 0.032 | 31.8 | 8.6 | 24.6 | 0.8 |
| PVC2X215 | 0.0015 | 1.25 | 0.36 | 0.969 | 0.032 | 31.8 | 9.1 | 24.6 | 0.8 |
| PVC2X218 | 0.0018 | 1.25 | 0.38 | 0.969 | 0.032 | 31.8 | 9.7 | 24.6 | 0.8 |
| PVC2X222 | 0.0022 | 1.25 | 0.39 | 0.969 | 0.032 | 31.8 | 9.9 | 24.6 | 0.8 |
| PVC2X227 | 0.0027 | 1.25 | 0.42 | 0.969 | 0.032 | 31.8 | 10.7 | 24.6 | 0.8 |
| PVC2X233 | 0.0033 | 1.25 | 0.44 | 0.969 | 0.032 | 31.8 | 11.2 | 24.6 | 0.8 |
| PVC2X239 | 0.0039 | 1.25 | 0.47 | 0.969 | 0.032 | 31.8 | 11.9 | 24.6 | 0.8 |
| PVC2X247 | 0.0047 | 1.25 | 0.5 | 0.969 | 0.032 | 31.8 | 12.7 | 24.6 | 0.8 |
| PVC2X256 | 0.0056 | 1.25 | 0.53 | 0.969 | 0.032 | 31.8 | 13.5 | 24.6 | 0.8 |
| PVC2X268 | 0.0068 | 1.25 | 0.56 | 0.969 | 0.032 | 31.8 | 14.2 | 24.6 | 0.8 |
| PVC2X282 | 0.0082 | 1.25 | 0.60 | 0.969 | 0.032 | 31.8 | 15.2 | 24.6 | 0.8 |
| PVC2X11 | 0.0100 | 1.25 | 0.65 | 0.969 | 0.032 | 31.8 | 16.5 | 24.6 | 0.8 |
| PVC2X112 | 0.0120 | 1.65 | 0.58 | 1.344 | 0.032 | 41.9 | 14.7 | 34.1 | 0.8 |
| PVC2X115 | 0.0150 | 1.65 | 0.63 | 1.344 | 0.032 | 41.9 | 16.0 | 34.1 | 0.8 |
| PVC2X118 | 0.018 | 1.65 | 0.67 | 1.344 | 0.032 | 41.9 | 17.0 | 34.1 | 0.8 |
| PVC2X122 | 0.022 | 1.65 | 0.73 | 1.344 | 0.032 | 41.9 | 18.5 | 34.1 | 0.8 |
| PVC2X127 | 0.027 | 1.65 | 0.78 | 1.344 | 0.032 | 41.9 | 19.8 | 34.1 | 0.8 |
| PVC2X133 | 0.033 | 1.65 | 0.85 | 1.344 | 0.032 | 41.9 | 21.6 | 34.1 | 0.8 |

Part Numbering System

| PVC | 4 | 01 |
|--------|-------------|-------------------|
| Series | Voltage | Capacitance |
| PVC | 1 = 100 V | 21 = .001 μ F |
| | 2 = 200V | 11 = .01 μ F |
| | 4 = 400V | 01 = .1 μ F |
| | 6 = 600V | 1 = 1.0 μ F |
| | 10 = 1000 V | |
| | 12 = 1200 V | |
| | 16 = 1600 V | |
| | 2X = 2000 V | |

Type PVC Polyester and Polypropylene Film/Foil Capacitors

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Obsolete
See 418P or 715P

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