

# PVC6127 Datasheet



|                              |   |
|------------------------------|---|
| DiGi Electronics Part Number | PVC6127-DG  |
| Manufacturer                 | <a href="#">Cornell Dubilier Electronics (CDE)</a>          |
| Manufacturer Product Number  | PVC6127   |
| Description                  | CAP FILM 0.027UF 10% 600VDC RAD                             |
| Detailed Description         | 0.027 $\mu$ F Film Capacitor 200V 600V Polyester Radia<br>L |

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## Purchase and inquiry

Manufacturer Product Number:

PVC6127

Series:

PVC

Capacitance:

0.027  $\mu$ F

Voltage Rating - AC:

200V

Dielectric Material:

Polyester

Mounting Type:

Through Hole

Size / Dimension:

0.449" Dia x 1.201" L (11.40mm x 30.50mm)

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:

0.969" (24.60mm)

Ratings:

-

## Environmental & Export classification

RoHS Status:

ROHS3 Compliant

REACH Status:

REACH Unaffected

HTSUS:

8532.25.0070

Moisture Sensitivity Level (MSL):

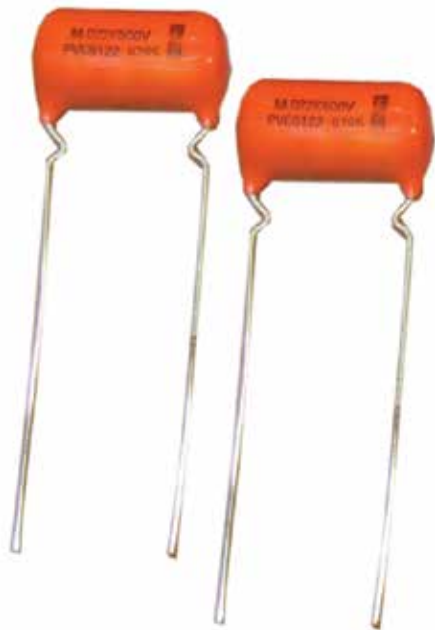
1 (Unlimited)

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  $\mu$ F to 1.0  $\mu$ 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:  $-55^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$

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

(Full rated voltage up to  $85^{\circ}\text{C}$ . 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



|  |
|--|
| <b>Lead Pull Test</b>  |
| Capacitor leads shall withstand a steady pull of 5 pounds applied radially to the capacitor body for 1 minute.   |
| <b>Lead Bend Test</b>  |
| 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  |
| <b>100 Vdc / 70 Vac</b>  |          |        |         |                |       |             |         |                |     |
| 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 |
| <b>200 Vdc / 140 Vac</b> |          |        |         |                |       |             |         |                |     |
| 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  |
| <b>200 Vdc / 140 Vac</b> |          |        |         |                |       |             |         |                |     |
| 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 |
| <b>400 Vdc / 200 Vac</b> |          |        |         |                |       |             |         |                |     |
| 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 |
| <b>600 Vdc / 200 Vac</b> |          |        |         |                |       |             |         |                |     |
| 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<br>Part Number    | Cap<br>( $\mu$ F) | Inches   |            |                   |                 | Millimeters |            |                   |                 |
|---------------------------|-------------------|----------|------------|-------------------|-----------------|-------------|------------|-------------------|-----------------|
|                           |                   | L<br>Max | Dia<br>Max | S<br>Lead Spacing | $\varnothing$ d | L<br>Max    | Dia<br>Max | S<br>Lead Spacing | $\varnothing$ d |
| <b>600 Vdc / 200 Vac</b>  |                   |          |            |                   |                 |             |            |                   |                 |
| 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             |
| <b>1000 Vdc / 200 Vac</b> |                   |          |            |                   |                 |             |            |                   |                 |
| 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<br>Part Number    | Cap<br>( $\mu$ F) | Inches   |            |                   |                 | Millimeters |            |                   |                 |
|---------------------------|-------------------|----------|------------|-------------------|-----------------|-------------|------------|-------------------|-----------------|
|                           |                   | L<br>Max | Dia<br>Max | S<br>Lead Spacing | $\varnothing$ d | L<br>Max    | Dia<br>Max | S<br>Lead Spacing | $\varnothing$ d |
| <b>1000 Vdc / 200 Vac</b> |                   |          |            |                   |                 |             |            |                   |                 |
| 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             |
| <b>1200 Vdc / 475 Vac</b> |                   |          |            |                   |                 |             |            |                   |                 |
| 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             |
| <b>1600 Vdc / 475 Vac</b> |                   |          |            |                   |                 |             |            |                   |                 |
| 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<br>Part Number    | Cap<br>( $\mu$ F) | Inches   |            |                   |                 | Millimeters |            |                   |                 |
|---------------------------|-------------------|----------|------------|-------------------|-----------------|-------------|------------|-------------------|-----------------|
|                           |                   | L<br>Max | Dia<br>Max | S<br>Lead Spacing | $\varnothing$ d | L<br>Max    | Dia<br>Max | S<br>Lead Spacing | $\varnothing$ d |
| <b>1600 Vdc / 475 Vac</b> |                   |          |            |                   |                 |             |            |                   |                 |
| 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             |
| <b>2000 Vdc / 500 Vac</b> |                   |          |            |                   |                 |             |            |                   |                 |
| 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**

|               |                |                    |
|---------------|----------------|--------------------|
| <b>PVC</b>    | <b>4</b>       | <b>01</b>          |
|               |                |                    |
| <b>Series</b> | <b>Voltage</b> | <b>Capacitance</b> |
| PVC           | 1 = 100 V      | 21 = .001 $\mu$ F  |
|               | 2 = 200V       | 11 = .01 $\mu$ F   |
|               | 4 = 400V       | 01 = .1 $\mu$ F    |
|               | 6 = 600V       | 1 = 1.0 $\mu$ 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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