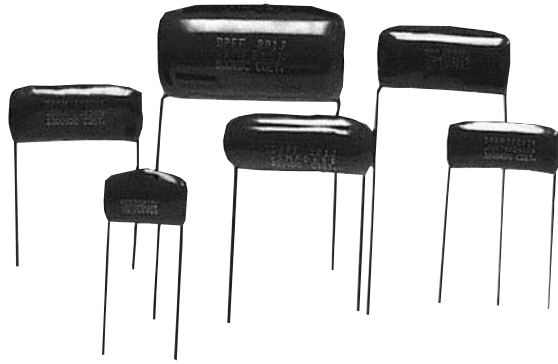


# Pulse and High-Frequency, Radial-Leaded Polypropylene Capacitors



## Types DPP, DPPS, DPFF, DPPM, DPMF

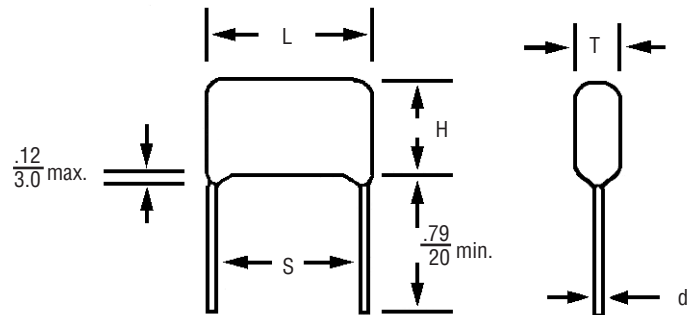
### Highlights

Type DPP is standard film/foil construction. Types DPPS and DPFF are series-wound extended foil with a floating common foil for 800 Vdc and up. Types DPPM and DPMF are similar except use metallized polypropylene film for the floating common foil for 800 Vdc and up. This alternate construction cuts the capacitor volume by almost half.

### Specifications

- Voltage Range:** 250-2000 Vdc (140-500 Vac)
- Capacitance Range:** .001-1  $\mu$ F
- Operating Temperature Range:** -55°C to 85°C

Choose with confidence any of these high peak current, radial-leaded, polypropylene, film/foil capacitors for your snubber application. They are offered here for easy use in snubbers with the highest peak current ratings listed first.



### Ratings

| Cap.<br>μF        | Catalog<br>Number | L<br>in. (mm) | H<br>in. (mm) | T<br>in. (mm) | S<br>in. (mm) | d<br>in. (mm) | Ipk<br>Amps | Irms, Amps |      |      |  |
|-------------------|-------------------|---------------|---------------|---------------|---------------|---------------|-------------|------------|------|------|--|
| 250 Vdc (155 Vac) |                   |               |               |               |               |               |             |            |      |      |  |
| .010              | DPP2S1K           | .590 (15.0)   | .470 (12.0)   | .280 (7.0)    | .394 (10.0)   | .024 (.6)     | 69          | .009       | .088 | .55  |  |
| .012              | DPFF2S12J         | .700 (17.8)   | .320 (8.1)    | .260 (6.6)    | .374 (9.5)    | .032 (.8)     | 55          | .012       | .12  | .66  |  |
| .015              | DPP2S15K          | .591 (15.0)   | .473 (12.0)   | .300 (7.5)    | .390 (10.0)   | .024 (.6)     | 100         | .013       | .13  | .69  |  |
| .015              | DPFF2S15J         | .750 (19.1)   | .370 (9.4)    | .370 (9.4)    | .374 (9.5)    | .032 (.8)     | 69          | .015       | .15  | .74  |  |
| .018              | DPFF2S18J         | .700 (17.8)   | .350 (8.9)    | .290 (7.4)    | .374 (9.5)    | .032 (.8)     | 83          | .018       | .18  | .81  |  |
| .022              | DPP2S22J          | .591 (15.0)   | .512 (13.0)   | .315 (8.0)    | .390 (10.0)   | .024 (.6)     | 150         | .019       | .19  | .86  |  |
| .022              | DPFF2S22J         | .750 (19.1)   | .420 (10.7)   | .420 (10.7)   | .374 (9.5)    | .032 (.8)     | 100         | .021       | .21  | .90  |  |
| .027              | DPFF2S27J         | .700 (17.8)   | .390 (9.9)    | .330 (8.4)    | .374 (9.5)    | .032 (.8)     | 120         | .026       | .26  | 1.10 |  |
| .033              | DPFF2S33J         | .750 (19.1)   | .420 (10.7)   | .420 (10.7)   | .370 (9.4)    | .032 (.8)     | 150         | .032       | .32  | 1.20 |  |
| .033              | DPP2S33K          | .788 (20.0)   | .551 (14.0)   | .335 (8.5)    | .590 (15.0)   | .024 (.6)     | 140         | .029       | .29  | 1.20 |  |
| .039              | DPMF2S39K         | .700 (17.8)   | .560 (14.2)   | .320 (8.1)    | .375 (9.5)    | .032 (.8)     | 170         | .038       | .38  | 1.30 |  |
| .039              | DPFF2S39J         | .900 (22.9)   | .380 (9.7)    | .320 (8.1)    | .374 (9.5)    | .032 (.8)     | 94          | .038       | .38  | 1.40 |  |
| .047              | DPMF2S47K         | .700 (17.8)   | .580 (14.7)   | .340 (8.6)    | .375 (9.5)    | .032 (.8)     | 210         | .046       | .46  | 1.40 |  |
| .047              | DPP2S47K          | .788 (20.0)   | .630 (16.0)   | .354 (9.0)    | .590 (15.0)   | .024 (.6)     | 190         | .041       | .41  | 1.60 |  |
| .056              | DPFF2S56J         | .900 (22.9)   | .430 (10.9)   | .370 (9.4)    | .374 (9.5)    | .032 (.8)     | 130         | .055       | .55  | 1.80 |  |
| .068              | DPP2S68K          | .788 (20.0)   | .630 (16.0)   | .433 (11.0)   | .590 (15.0)   | .024 (.6)     | 280         | .060       | .60  | 2.00 |  |
| .068              | DPFF2S68J         | .950 (24.1)   | .450 (11.4)   | .450 (11.4)   | .370 (9.4)    | .032 (.8)     | 160         | .066       | .66  | 2.00 |  |
| .082              | DPMF2S82K         | .950 (24.1)   | .600 (15.2)   | .360 (9.1)    | .375 (9.5)    | .032 (.8)     | 190         | .080       | .80  | 2.20 |  |

Pulse, Hi-Frequency  
& Snubber  
Capacitors

# Pulse and High-Frequency, Radial-Leaded Polypropylene Capacitors

## Ratings

| Cap.<br>μF        | Catalog<br>Number | L     |        | H     |        | T    |        | S     |        | d    |      | Ipk<br>Amps | Irms, Amps |        |         |
|-------------------|-------------------|-------|--------|-------|--------|------|--------|-------|--------|------|------|-------------|------------|--------|---------|
|                   |                   | in.   | (mm)   | in.   | (mm)   | in.  | (mm)   | in.   | (mm)   | in.  | (mm) |             | 1 kHz      | 10 kHz | 100 kHz |
| 250 Vdc (155 Vac) |                   |       |        |       |        |      |        |       |        |      |      |             |            |        |         |
| .082              | DPFF2S82J         | 1.250 | (31.8) | .420  | (10.7) | .260 | (9.1)  | .720  | (18.3) | .032 | (.8) | 110         | .080       | .80    | 2.4     |
| .10               | DPP2P1K           | 1.024 | (26.0) | .710  | (18.0) | .390 | (10.0) | .790  | (20.0) | .032 | (.8) | 410         | .088       | .88    | 2.6     |
| .10               | DPFF2P1J          | 1.250 | (31.8) | .450  | (11.4) | .450 | (11.4) | .720  | (18.3) | .032 | (.8) | 140         | .097       | .97    | 2.7     |
| .12               | DPMF2P12K         | .950  | (24.1) | .690  | (17.5) | .400 | (10.2) | .375  | (9.5)  | .032 | (.8) | 280         | .12        | 1.2    | 2.9     |
| .12               | DPFF2P12J         | 1.250 | (31.8) | .470  | (11.9) | .410 | (10.4) | .720  | (18.3) | .032 | (.8) | 170         | .12        | 1.2    | 3.3     |
| .15               | DPP2P15K          | 1.024 | (26.0) | .870  | (22.0) | .470 | (12.0) | .790  | (20.0) | .032 | (.8) | 360         | .13        | 1.3    | 3.0     |
| .15               | DPFF2P15J         | 1.300 | (33.0) | .550  | (14.0) | .550 | (14.0) | .720  | (18.3) | .032 | (.8) | 210         | .15        | 1.5    | 3.7     |
| .18               | DPFF2P18J         | 1.250 | (31.8) | .530  | (13.5) | .470 | (11.9) | .720  | (18.3) | .032 | (.8) | 250         | .18        | 1.8    | 4.4     |
| .22               | DPP2P22K          | 1.024 | (26.0) | .940  | (24.0) | .550 | (14.0) | .790  | (20.0) | .032 | (.8) | 530         | .21        | 2.1    | 3.0     |
| .22               | DPFF2P22J         | 1.300 | (33.0) | .620  | (15.7) | .620 | (15.7) | .720  | (18.3) | .032 | (.8) | 310         | .21        | 2.1    | 4.8     |
| .27               | DPMF2P27K         | 1.250 | (31.8) | .750  | (19.1) | .470 | (11.9) | .719  | (18.3) | .032 | (.8) | 360         | .26        | 2.6    | 5.2     |
| .27               | DPFF2P27J         | 1.650 | (41.9) | .550  | (14.0) | .490 | (12.4) | 1.095 | (27.8) | .032 | (.8) | 190         | .26        | 2.6    | 6.1     |
| .33               | DPP2P33K          | 1.260 | (32.0) | .980  | (25.0) | .590 | (15.0) | 1.080 | (27.5) | .032 | (.8) | 790         | .29        | 2.9    | 3.0     |
| .33               | DPFF2P33J         | 1.650 | (41.9) | .650  | (16.5) | .650 | (16.5) | 1.095 | (27.8) | .032 | (.8) | 240         | .32        | 3.2    | 6.8     |
| .39               | DPMF2P39K         | 1.250 | (31.8) | .900  | (22.9) | .510 | (13.0) | .719  | (18.3) | .032 | (.8) | 510         | .38        | 3.8    | 6.8     |
| .39               | DPFF2P39J         | 1.650 | (41.9) | .620  | (15.7) | .560 | (14.7) | 1.095 | (27.8) | .032 | (.8) | 280         | .38        | 3.8    | 8.0     |
| .47               | DPP2P47K          | 1.260 | (32.0) | 1.060 | (27.0) | .630 | (16.0) | 1.080 | (27.5) | .032 | (.8) | 1100        | .41        | 3.0    | 3.0     |
| .47               | DPFF2P47J         | 1.700 | (43.2) | .750  | (19.1) | .750 | (19.1) | 1.095 | (27.8) | .032 | (.8) | 340         | .46        | 4.6    | 8.8     |
| .56               | DPMF2P56K         | 1.250 | (31.8) | 1.000 | (25.4) | .610 | (15.5) | .719  | (18.3) | .032 | (.8) | 740         | .55        | 5.5    | 8.8     |
| .68               | DPMF2P68K         | 1.700 | (43.2) | .940  | (23.9) | .560 | (14.2) | 1.094 | (27.8) | .032 | (.8) | 440         | .66        | 6.6    | 10.5    |
| .82               | DPMF2P82K         | 1.700 | (43.2) | 1.000 | (25.4) | .610 | (15.5) | 1.094 | (27.8) | .032 | (.8) | 520         | .80        | 8.0    | 12.0    |
| 1.00              | DPMF2W1K          | 1.700 | (43.2) | 1.070 | (27.2) | .680 | (17.3) | 1.094 | (27.8) | .032 | (.8) | 640         | .97        | 9.7    | 14.0    |
| 400 Vdc (200 Vac) |                   |       |        |       |        |      |        |       |        |      |      |             |            |        |         |
| .0039             | DPFF4D39J         | .700  | (17.8) | .380  | (9.7)  | .400 | (10.2) | .374  | (9.5)  | .032 | (.8) | 23          | .005       | .049   | .40     |
| .0047             | DPFF4D47J         | .700  | (17.8) | .380  | (9.7)  | .340 | (8.6)  | .374  | (9.5)  | .032 | (.8) | 28          | .006       | .059   | .43     |
| .0056             | DPFF4D56J         | .700  | (17.8) | .400  | (10.2) | .360 | (9.1)  | .374  | (9.5)  | .032 | (.8) | 34          | .007       | .070   | .47     |
| .0068             | DPFF4D68J         | .700  | (17.8) | .350  | (8.9)  | .290 | (7.8)  | .374  | (9.5)  | .032 | (.8) | 41          | .009       | .085   | .52     |
| .0082             | DPFF4D82J         | .700  | (17.8) | .360  | (9.1)  | .300 | (7.6)  | .374  | (9.5)  | .032 | (.8) | 49          | .010       | .100   | .57     |
| .010              | DPP4S1K           | .591  | (15.0) | .550  | (14.0) | .335 | (8.5)  | .390  | (10.0) | .024 | (.6) | 100         | .016       | .160   | .67     |
| .010              | DPFF4S1J          | .700  | (17.8) | .360  | (9.1)  | .300 | (7.6)  | .374  | (9.5)  | .032 | (.8) | 60          | .013       | .130   | .63     |
| .012              | DPFF4S12J         | .700  | (17.8) | .380  | (9.7)  | .320 | (8.1)  | .374  | (9.5)  | .032 | (.8) | 72          | .015       | .150   | .75     |
| .015              | DPP4S15K          | .591  | (15.0) | .590  | (15.0) | .350 | (9.0)  | .390  | (10.0) | .024 | (.6) | 150         | .024       | .240   | .87     |
| .015              | DPFF4S15J         | .750  | (19.1) | .450  | (11.4) | .450 | (11.4) | .374  | (9.5)  | .032 | (.8) | 90          | .019       | .190   | .83     |
| .018              | DPFF4S18J         | .900  | (22.9) | .370  | (9.4)  | .310 | (7.9)  | .374  | (9.5)  | .032 | (.8) | 58          | .023       | .230   | 1.0     |
| .022              | DPP4S22K          | .790  | (20.0) | .670  | (17.0) | .390 | (10.0) | .590  | (15.0) | .024 | (.6) | 220         | .035       | .350   | 1.1     |
| .022              | DPFF4S22J         | .900  | (22.9) | .390  | (9.9)  | .330 | (8.4)  | .374  | (9.5)  | .032 | (.8) | 70          | .028       | .280   | 1.1     |
| .027              | DPFF4S27J         | .900  | (22.9) | .420  | (10.7) | .360 | (9.1)  | .374  | (9.5)  | .032 | (.8) | 86          | .034       | .340   | 1.3     |
| .033              | DPP4S33K          | .790  | (20.0) | .420  | (10.7) | .390 | (10.0) | .590  | (15.0) | .024 | (.6) | 330         | .052       | .520   | 1.4     |
| .033              | DPFF4S33J         | .950  | (24.1) | .500  | (12.7) | .500 | (12.7) | .374  | (9.5)  | .032 | (.8) | 110         | .041       | .410   | 1.4     |
| .039              | DPMF4S39K         | .950  | (24.1) | .600  | (15.2) | .360 | (9.1)  | .375  | (9.5)  | .032 | (.8) | 120         | .049       | .490   | 1.5     |
| .039              | DPFF4S39J         | 1.250 | (31.8) | .410  | (10.4) | .350 | (8.9)  | .720  | (18.3) | .032 | (.8) | 70          | .049       | .490   | 1.8     |
| .047              | DPP4S47K          | 1.020 | (26.0) | .630  | (16.0) | .354 | (9.0)  | .790  | (20.0) | .032 | (.8) | 150         | .074       | .740   | 1.7     |
| .047              | DPFF4S47J         | 1.250 | (31.8) | .430  | (10.9) | .370 | (9.4)  | .720  | (18.3) | .032 | (.8) | 85          | .059       | .590   | 2.0     |
| .056              | DPMF4S56K         | .950  | (24.1) | .680  | (17.3) | .400 | (10.2) | .375  | (9.5)  | .032 | (.8) | 170         | .070       | .700   | 2.0     |
| .056              | DPFF4S56J         | 1.250 | (33.0) | .450  | (11.4) | .390 | (9.9)  | .720  | (18.3) | .032 | (.8) | 100         | .070       | .700   | 2.3     |
| .068              | DPP4S68K          | 1.020 | (26.0) | .710  | (18.0) | .433 | (11.0) | .790  | (20.0) | .032 | (.8) | 220         | .107       | 1.100  | 2.2     |
| .068              | DPFF4S68J         | 1.250 | (33.0) | .480  | (12.2) | .420 | (10.7) | .720  | (18.3) | .032 | (.8) | 120         | .085       | .850   | 2.5     |
| .082              | DPFF4S82J         | 1.250 | (33.0) | .510  | (13.0) | .450 | (11.4) | .720  | (18.3) | .032 | (.8) | 150         | .100       | 1.000  | 2.9     |

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# Pulse and High-Frequency, Radial-Leaded Polypropylene Capacitors

## Ratings

| Cap.<br>μF        | Catalog<br>Number | L<br>in. (mm) | H<br>in. (mm) | T<br>in. (mm) | S<br>in. (mm) | d<br>in. (mm) | Ipk<br>Amps | Irms, Amps<br>1 kHz 10 kHz 100 kHz |
|-------------------|-------------------|---------------|---------------|---------------|---------------|---------------|-------------|------------------------------------|
| 400 Vdc (200 Vac) |                   |               |               |               |               |               |             |                                    |
| .10               | DPP4P1K           | 1.260 (32.0)  | .788 (20.0)   | .473 (12.0)   | 1.080 (27.5)  | .032 (.8)     | 320         | .16 1.6 2.9                        |
| .10               | DPFF4P1J          | 1.250 (31.8)  | .540 (13.7)   | .480 (12.2)   | .720 (18.3)   | .032 (.8)     | 180         | .13 1.3 3.2                        |
| .12               | DPFF4P12J         | 1.250 (31.8)  | .580 (14.7)   | .520 (13.2)   | .720 (18.3)   | .032 (.8)     | 220         | .15 1.5 3.7                        |
| .15               | DPP4P15K          | 1.260 (32.0)  | .910 (23.0)   | .470 (12.0)   | 1.080 (27.5)  | .032 (.8)     | 480         | .24 2.4 4.1                        |
| .15               | DPFF4P15J         | 1.300 (33.0)  | .650 (16.5)   | .650 (16.5)   | .719 (18.3)   | .032 (.8)     | 270         | .19 1.9 4.1                        |
| .18               | DPMF4P18K         | 1.250 (31.8)  | .890 (22.6)   | .500 (12.7)   | .719 (18.3)   | .040 (1.0)    | 310         | .23 2.3 4.6                        |
| .18               | DPFF4P18J         | 1.650 (41.9)  | .600 (15.2)   | .540 (13.7)   | 1.095 (27.8)  | .032 (.8)     | 150         | .23 2.3 5.2                        |
| .22               | DPMF4P22K         | 1.250 (31.8)  | .950 (24.1)   | .570 (14.5)   | .719 (18.3)   | .040 (1.0)    | 380         | .28 2.8 5.3                        |
| .22               | DPFF4P22J         | 1.700 (43.2)  | .700 (17.8)   | .700 (17.8)   | 1.095 (27.8)  | .032 (.8)     | 180         | .28 2.8 5.8                        |
| .27               | DPMF4P27K         | 1.250 (31.8)  | 1.010 (25.7)  | .630 (16.0)   | .719 (18.3)   | .040 (1.0)    | 460         | .34 3.4 6.2                        |
| .27               | DPFF4P27J         | 1.650 (43.2)  | .680 (17.5)   | .630 (16.0)   | 1.095 (27.8)  | .032 (.8)     | 230         | .34 3.4 6.9                        |
| .33               | DPFF4P33J         | 1.700 (43.2)  | .800 (20.3)   | .800 (20.3)   | 1.095 (27.8)  | .032 (.8)     | 280         | .41 4.1 7.7                        |
| .39               | DPFF4P39J         | 1.650 (43.2)  | .810 (20.6)   | .750 (19.1)   | 1.095 (27.8)  | .032 (.8)     | 330         | .49 4.9 8.9                        |
| .47               | DPFF4P47J         | 1.700 (43.2)  | .900 (22.9)   | .900 (22.9)   | 1.095 (27.8)  | .032 (.8)     | 390         | .59 5.9 9.0                        |
| 630 Vdc (250 Vac) |                   |               |               |               |               |               |             |                                    |
| .0010             | DPP6D1K           | .591 (15.0)   | .492 (12.5)   | .256 (6.5)    | .390 (10.0)   | .024 (.6)     | 60          | .002 .016 .14                      |
| .0010             | DPFF6D1J          | .700 (17.8)   | .390 (9.9)    | .350 (8.9)    | .374 (9.5)    | .032 (.8)     | 8           | .001 .013 .13                      |
| .0012             | DPFF6D12J         | .700 (17.8)   | .400 (10.2)   | .360 (9.1)    | .374 (9.5)    | .032 (.8)     | 10          | .002 .015 .15                      |
| .0015             | DPP6D15K          | .591 (15.0)   | .492 (12.5)   | .276 (7.0)    | .390 (10.0)   | .024 (.6)     | 90          | .002 .024 .18                      |
| .0015             | DPFF6D15J         | .750 (19.1)   | .400 (10.2)   | .400 (10.2)   | .374 (9.5)    | .032 (.8)     | 12          | .002 .019 .19                      |
| .0018             | DPFF6D18J         | .700 (17.8)   | .380 (9.7)    | .340 (8.6)    | .374 (9.5)    | .032 (.8)     | 14          | .002 .023 .23                      |
| .0022             | DPP6D22K          | .591 (15.0)   | .492 (12.5)   | .276 (7.0)    | .390 (10.0)   | .024 (.6)     | 130         | .003 .035 .24                      |
| .0022             | DPFF6D22J         | .700 (17.8)   | .370 (9.4)    | .330 (8.4)    | .374 (9.5)    | .032 (.8)     | 18          | .003 .028 .28                      |
| .0027             | DPFF6D27J         | .700 (17.8)   | .390 (9.9)    | .350 (8.9)    | .374 (9.5)    | .032 (.8)     | 22          | .003 .034 .33                      |
| .0033             | DPP6D33K          | .768 (19.5)   | .470 (12.0)   | .295 (7.5)    | .590 (15.0)   | .024 (.6)     | 200         | .005 .052 .31                      |
| .0033             | DPFF6D33J         | .750 (19.1)   | .400 (10.2)   | .400 (10.2)   | .374 (9.5)    | .032 (.8)     | 26          | .004 .041 .36                      |
| .0039             | DPFF6D39J         | .700 (17.8)   | .380 (9.7)    | .340 (8.6)    | .374 (9.5)    | .032 (.8)     | 31          | .005 .049 .43                      |
| .0047             | DPP6D47K          | .768 (19.5)   | .492 (12.5)   | .315 (8.0)    | .590 (15.0)   | .024 (.6)     | 280         | .007 .074 .39                      |
| .0047             | DPFF6D47J         | .750 (19.1)   | .450 (11.4)   | .450 (11.4)   | .374 (9.5)    | .032 (.8)     | 38          | .006 .059 .47                      |
| .0056             | DPFF6D56J         | .700 (17.8)   | .400 (10.2)   | .360 (9.1)    | .374 (9.5)    | .032 (.8)     | 45          | .007 .070 .51                      |
| .0068             | DPP6D68K          | .768 (19.5)   | .550 (14.0)   | .354 (9.0)    | .590 (15.0)   | .024 (.6)     | 410         | .009 .110 .51                      |
| .0068             | DPFF6D68J         | .750 (19.1)   | .450 (11.4)   | .450 (11.4)   | .374 (9.5)    | .032 (.8)     | 54          | .006 .085 .56                      |
| .0082             | DPMF6D82K         | .700 (17.8)   | .560 (14.2)   | .320 (8.1)    | .375 (9.5)    | .032 (.8)     | 62          | .010 .100 .59                      |
| .0082             | DPFF6D82J         | .900 (22.9)   | .380 (9.7)    | .340 (8.6)    | .374 (9.5)    | .032 (.8)     | 54          | .010 .100 .68                      |
| .010              | DPP6S1K           | 1.024 (26.0)  | .550 (14.0)   | .354 (9.0)    | .790 (20.0)   | .024 (.6)     | 200         | .016 .160 .67                      |
| .010              | DPFF6S1J          | .950 (24.1)   | .450 (11.4)   | .450 (11.4)   | .374 (9.5)    | .032 (.8)     | 66          | .013 .130 .75                      |
| .012              | DPFF6S12J         | .900 (22.9)   | .420 (10.7)   | .380 (9.7)    | .374 (9.5)    | .032 (.8)     | 79          | .015 .150 .87                      |
| .015              | DPP6S15K          | 1.024 (26.0)  | .630 (16.0)   | .394 (10.0)   | .790 (20.0)   | .024 (.6)     | 300         | .024 .240 .87                      |
| .015              | DPFF6S15J         | .950 (24.1)   | .500 (12.7)   | .500 (12.7)   | .374 (9.5)    | .032 (.8)     | 99          | .019 .190 .98                      |
| .018              | DPFF6S18J         | .900 (22.9)   | .480 (12.2)   | .440 (11.2)   | .374 (9.5)    | .032 (.8)     | 120         | .023 .230 1.10                     |
| .022              | DPP6S22K          | 1.024 (26.0)  | .670 (17.0)   | .433 (11.0)   | .790 (20.0)   | .024 (.6)     | 440         | .035 .350 1.10                     |
| .022              | DPFF6S22J         | .950 (24.1)   | .550 (14.0)   | .550 (14.0)   | .374 (9.5)    | .032 (.8)     | 150         | .028 .250 1.30                     |
| .027              | DPMF6S27K         | .950 (24.1)   | .690 (17.5)   | .410 (10.4)   | .375 (9.5)    | .032 (.8)     | 170         | .034 .340 1.40                     |
| .027              | DPFF6S27J         | 1.300 (33.0)  | .550 (14.0)   | .550 (14.0)   | .720 (18.3)   | .032 (.8)     | 76          | .034 .340 1.60                     |
| .033              | DPP6S33K          | 1.260 (32.0)  | .670 (17.0)   | .433 (11.0)   | .080 (27.5)   | .032 (.8)     | 220         | .052 .520 1.50                     |
| .033              | DPFF6S33J         | 1.250 (31.8)  | .500 (12.7)   | .460 (11.7)   | .720 (18.3)   | .032 (.8)     | 92          | .041 .410 1.70                     |
| .039              | DPMF6S39K         | .950 (24.1)   | .760 (19.3)   | .480 (12.2)   | .375 (9.5)    | .032 (.8)     | 250         | .049 .490 1.80                     |
| .039              | DPFF6S39J         | 1.250 (31.8)  | .530 (13.5)   | .490 (12.4)   | .720 (18.3)   | .032 (.8)     | 110         | .049 .490 2.00                     |

Pulse, Hi-Frequency  
& Snubber  
Capacitors

# Pulse and High-Frequency, Radial-Leaded Polypropylene Capacitors

## Ratings

| Cap.<br>μF                | Catalog<br>Number | L<br>in. (mm) | H<br>in. (mm) | T<br>in. (mm) | S<br>in. (mm) | d<br>in. (mm) | Ipk<br>Amps | Irms, Amps<br>1 kHz 10 kHz 100 kHz |
|---------------------------|-------------------|---------------|---------------|---------------|---------------|---------------|-------------|------------------------------------|
| <b>630 Vdc (250 Vac)</b>  |                   |               |               |               |               |               |             |                                    |
| .047                      | DPP6S47K          | 1.260 (32.0)  | .750 (19.0)   | .492 (12.5)   | 1.080 (27.5)  | .032 (.8)     | 310         | .074 .74 2.0                       |
| .047                      | DPFF6S47J         | 1.250 (31.8)  | .560 (14.2)   | .520 (13.2)   | .720 (18.3)   | .032 (.8)     | 130         | .059 .59 2.2                       |
| .056                      | DPFF6S56J         | 1.250 (31.8)  | .600 (15.2)   | .560 (14.2)   | .720 (18.3)   | .032 (.8)     | 160         | .070 .70 2.5                       |
| .068                      | DPP6S68K          | 1.260 (32.0)  | .870 (22.0)   | .550 (14.0)   | 1.080 (27.5)  | .032 (.8)     | 460         | .110 1.10 2.6                      |
| .068                      | DPFF6S68J         | 1.300 (33.0)  | .650 (16.5)   | .650 (16.5)   | .720 (18.3)   | .032 (.8)     | 190         | .085 .85 2.8                       |
| .082                      | DPFF6S82J         | 1.250 (31.8)  | .690 (17.5)   | .650 (16.5)   | .720 (18.3)   | .032 (.8)     | 230         | .100 1.00 3.3                      |
| .10                       | DPP6P1K           | 1.260 (32.0)  | .866 (22.0)   | .512 (13.0)   | 1.080 (27.5)  | .032 (.8)     | 670         | .160 1.60 3.0                      |
| .10                       | DPFF6P1J          | 1.300 (33.0)  | .750 (19.1)   | .750 (19.1)   | .720 (18.3)   | .032 (.8)     | 280         | .130 1.30 3.6                      |
| .12                       | DPMF6P12K         | 1.250 (31.8)  | .970 (24.6)   | .590 (15.0)   | .720 (18.3)   | .040 (1.0)    | 330         | .150 1.50 4.0                      |
| .12                       | DPFF6P12J         | 1.650 (41.9)  | .690 (17.5)   | .650 (16.5)   | 1.095 (27.8)  | .032 (.8)     | 140         | .150 1.50 4.4                      |
| .15                       | DPFF6P15J         | 1.700 (43.2)  | .750 (19.1)   | .750 (19.1)   | 1.095 (27.8)  | .032 (.8)     | 180         | .190 1.90 5.0                      |
| .18                       | DPFF6P18J         | 1.650 (41.9)  | .810 (20.6)   | .770 (19.6)   | 1.095 (27.8)  | .032 (.8)     | 220         | .230 2.30 5.9                      |
| .22                       | DPFF6P22J         | 1.700 (43.2)  | .850 (21.6)   | .850 (21.6)   | 1.095 (27.8)  | .032 (.8)     | 260         | .280 2.80 6.5                      |
| <b>800 Vdc (450 Vac)</b>  |                   |               |               |               |               |               |             |                                    |
| .0056                     | DPFF8D56J         | 1.300 (33.0)  | .500 (12.7)   | .500 (12.7)   | .720 (18.3)   | .032 (.8)     | 34          | .016 .16 .68                       |
| .0068                     | DPFF8D68J         | 1.250 (31.8)  | .340 (8.6)    | .280 (7.1)    | .720 (18.3)   | .032 (.8)     | 41          | .019 .19 .75                       |
| .0082                     | DPFF8D82J         | 1.250 (31.8)  | .370 (9.4)    | .310 (7.9)    | .720 (18.3)   | .032 (.8)     | 49          | .023 .23 .82                       |
| .010                      | DPFF8S1J          | 1.300 (33.0)  | .500 (12.7)   | .500 (12.7)   | .720 (18.3)   | .032 (.8)     | 60          | .028 .28 .91                       |
| .012                      | DPFF8S12J         | 1.300 (33.0)  | .550 (14.0)   | .550 (14.0)   | .720 (18.3)   | .032 (.8)     | 72          | .034 .34 1.00                      |
| .015                      | DPFF8S15J         | 1.300 (33.0)  | .550 (14.0)   | .550 (14.0)   | .720 (18.3)   | .032 (.8)     | 90          | .042 .42 1.20                      |
| .018                      | DPFF8S18J         | 1.250 (31.8)  | .470 (11.9)   | .410 (10.4)   | .720 (18.3)   | .032 (.8)     | 110         | .051 .51 1.40                      |
| .022                      | DPFF8S22J         | 1.300 (33.0)  | .600 (15.2)   | .600 (15.2)   | .720 (18.3)   | .032 (.8)     | 130         | .062 .62 1.50                      |
| .027                      | DPFF8S27J         | 1.250 (31.8)  | .530 (13.5)   | .470 (11.9)   | .720 (18.3)   | .032 (.8)     | 160         | .076 .76 1.80                      |
| .033                      | DPFF8S33J         | 1.300 (33.0)  | .700 (17.8)   | .510 (13.0)   | .720 (18.3)   | .032 (.8)     | 200         | .093 .93 2.00                      |
| .039                      | DPFF8S39J         | 1.650 (41.9)  | .530 (13.5)   | .470 (11.9)   | 1.095 (27.8)  | .032 (.8)     | 120         | .110 1.10 2.40                     |
| .047                      | DPFF8S47J         | 1.650 (41.9)  | .560 (14.2)   | .500 (12.7)   | 1.095 (27.8)  | .032 (.8)     | 150         | .130 1.30 2.70                     |
| .056                      | DPFF8S56J         | 1.650 (41.9)  | .590 (15.0)   | .530 (13.5)   | 1.095 (27.8)  | .032 (.8)     | 180         | .160 1.60 3.20                     |
| .068                      | DPFF8S68J         | 1.700 (43.2)  | .800 (20.3)   | .800 (20.3)   | 1.095 (27.8)  | .032 (.8)     | 220         | .190 1.90 3.50                     |
| .082                      | DPFF8S82J         | 1.650 (41.9)  | .680 (17.3)   | .620 (15.7)   | 1.095 (27.8)  | .032 (.8)     | 260         | .230 2.30 4.10                     |
| .100                      | DPFF8P1J          | 1.700 (43.2)  | .900 (22.9)   | .900 (22.9)   | 1.095 (27.8)  | .032 (.8)     | 320         | .280 2.80 4.50                     |
| .120                      | DPMF8P12K         | 1.700 (43.2)  | 1.010 (25.7)  | .620 (15.7)   | 1.095 (27.8)  | .040 (1.0)    | 72          | .340 3.30 4.60                     |
| <b>1000 Vdc (450 Vac)</b> |                   |               |               |               |               |               |             |                                    |
| .0010                     | DPPS10D1K         | .984 (25.0)   | .511 (13.0)   | .314 (8.0)    | .826 (21.0)   | .032 (.8)     | 8.40        | .003 .028 .23                      |
| .0010                     | DPPM10D1K         | .984 (25.0)   | .452 (11.5)   | .256 (6.5)    | .826 (21.0)   | .032 (.8)     | 1.90        | .003 .028 .21                      |
| .0012                     | DPPS10D12K        | .984 (25.0)   | .511 (13.0)   | .314 (8.0)    | .826 (21.0)   | .032 (.8)     | 10.0        | .003 .034 .25                      |
| .0012                     | DPPM10D12K        | .984 (25.0)   | .452 (11.5)   | .256 (6.5)    | .826 (21.0)   | .032 (.8)     | 2.30        | .003 .034 .23                      |
| .0015                     | DPPS10D15K        | .984 (25.0)   | .511 (13.0)   | .314 (8.0)    | .826 (21.0)   | .032 (.8)     | 13.0        | .004 .042 .28                      |
| .0015                     | DPPM10D15K        | .984 (25.0)   | .452 (11.5)   | .256 (6.5)    | .826 (21.0)   | .032 (.8)     | 2.90        | .004 .042 .25                      |
| .0018                     | DPPS10D18K        | .984 (25.0)   | .511 (13.0)   | .314 (8.0)    | .826 (21.0)   | .032 (.8)     | 15.0        | .005 .051 .30                      |
| .0018                     | DPPM10D18K        | .984 (25.0)   | .452 (11.5)   | .256 (6.5)    | .826 (21.0)   | .032 (.8)     | 3.40        | .005 .051 .28                      |
| .0022                     | DPPS10D22K        | .984 (25.0)   | .551 (14.0)   | .334 (8.5)    | .826 (21.0)   | .032 (.8)     | 18.0        | .006 .062 .35                      |
| .0022                     | DPPM10D22K        | .984 (25.0)   | .452 (11.5)   | .256 (6.5)    | .826 (21.0)   | .032 (.8)     | 4.20        | .006 .062 .31                      |
| .0027                     | DPPM10D27K        | .984 (25.0)   | .472 (12.0)   | .275 (7.0)    | .826 (21.0)   | .032 (.8)     | 23.0        | .008 .076 .39                      |
| .0033                     | DPPS10D33K        | .984 (25.0)   | .590 (15.0)   | .354 (9.0)    | .826 (21.0)   | .032 (.8)     | 5.10        | .009 .093 .45                      |
| .0033                     | DPPM10D33K        | .984 (25.0)   | .492 (12.5)   | .275 (7.0)    | .826 (21.0)   | .032 (.8)     | 28.0        | .009 .093 .39                      |
| .0039                     | DPPS10D39K        | .984 (25.0)   | .590 (15.0)   | .354 (9.0)    | .826 (21.0)   | .032 (.8)     | 33.0        | .011 .110 .48                      |

Pulse, Hi-Frequency  
& Snubber  
Capacitors

# Pulse and High-Frequency, Radial-Leaded Polypropylene Capacitors

## Ratings

| Cap.<br>μF         | Catalog<br>Number | L<br>in. (mm) | H<br>in. (mm) | T<br>in. (mm) | S<br>in. (mm) | d<br>in. (mm) | Ipk<br>Amps | Irms, Amps |        |         |
|--------------------|-------------------|---------------|---------------|---------------|---------------|---------------|-------------|------------|--------|---------|
|                    |                   |               |               |               |               |               |             | 1 kHz      | 10 kHz | 100 kHz |
| 1000 Vdc (450 Vac) |                   |               |               |               |               |               |             |            |        |         |
| .0039              | DPPM10D39K        | .984 (25.0)   | .511 (13.0)   | .275 (7.0)    | .826 (21.0)   | .032 (.8)     | 7.4         | .011       | .11    | .43     |
| .0047              | DPPS10D47K        | .984 (25.0)   | .629 (16.0)   | .374 (9.5)    | .826 (21.0)   | .032 (.8)     | 39.0        | .013       | .13    | .55     |
| .0047              | DPPM10D47K        | .984 (25.0)   | .531 (13.5)   | .295 (7.5)    | .826 (21.0)   | .032 (.8)     | 8.9         | .013       | .13    | .49     |
| .0056              | DPPSD10D56K       | .984 (25.0)   | .669 (17.0)   | .413 (10.5)   | .826 (21.0)   | .032 (.8)     | 47.0        | .016       | .16    | .63     |
| .0056              | DPPM10D56K        | .984 (25.0)   | .551 (14.0)   | .314 (8.0)    | .826 (21.0)   | .032 (.8)     | 10.6        | .016       | .16    | .55     |
| .0068              | DPPS10D68K        | .984 (25.0)   | .708 (18.0)   | .452 (11.5)   | .826 (21.0)   | .032 (.8)     | 57.0        | .019       | .19    | .73     |
| .0068              | DPPM10D68K        | .984 (25.0)   | .570 (14.5)   | .334 (8.5)    | .826 (21.0)   | .032 (.8)     | 12.9        | .019       | .19    | .62     |
| .0082              | DPPS10D82K        | .984 (25.0)   | .826 (21.0)   | .492 (12.5)   | .826 (21.0)   | .032 (.8)     | 69.0        | .023       | .23    | .83     |
| .0082              | DPPM10D82K        | .984 (25.0)   | .826 (21.0)   | .334 (8.5)    | .826 (21.0)   | .032 (.8)     | 15.6        | .023       | .23    | .71     |
| .010               | DPPS10S1K         | .984 (25.0)   | .826 (21.0)   | .511 (13.0)   | .826 (21.0)   | .032 (.8)     | 84.0        | .028       | .28    | .94     |
| .010               | DPPM10S1K         | .984 (25.0)   | .826 (21.0)   | .374 (9.5)    | .826 (21.0)   | .032 (.8)     | 19.0        | .028       | .28    | .81     |
| .020               | DPPS10S12K        | .984 (25.0)   | .826 (21.0)   | .511 (13.0)   | .826 (21.0)   | .032 (.8)     | 100.0       | .034       | .34    | 1.10    |
| .012               | DPPM10S12K        | .984 (25.0)   | .826 (21.0)   | .393 (10.0)   | .826 (21.0)   | .032 (.8)     | 23.0        | .034       | .34    | .92     |
| .015               | DPPS10S15K        | 1.259 (32.0)  | 1.043 (26.5)  | .511 (13.0)   | 1.043 (26.5)  | .032 (.8)     | 130.0       | .042       | .42    | 1.30    |
| .015               | DPPM10S15K        | 1.220 (31.0)  | 1.043 (26.5)  | .374 (9.5)    | 1.043 (26.5)  | .032 (.8)     | 20.0        | .042       | .42    | 1.10    |
| .018               | DPPS10S18K        | 1.259 (32.0)  | 1.043 (26.5)  | .551 (14.0)   | 1.043 (26.5)  | .032 (.8)     | 150.0       | .051       | .51    | 1.50    |
| .018               | DPPM10S18K        | 1.220 (31.0)  | 1.043 (26.5)  | .393 (10.0)   | 1.043 (26.5)  | .032 (.8)     | 23.0        | .051       | .51    | 1.20    |
| .022               | DPPS10S22K        | 1.259 (32.0)  | 1.043 (26.5)  | .510 (15.5)   | 1.043 (26.5)  | .032 (.8)     | 180.0       | .062       | .62    | 1.80    |
| .022               | DPPM10S22K        | 1.220 (31.0)  | 1.043 (26.5)  | .433 (11.0)   | 1.043 (26.5)  | .032 (.8)     | 29.0        | .062       | .62    | 1.40    |
| .027               | DPPS10S27K        | 1.259 (32.0)  | 1.102 (28.0)  | .669 (17.0)   | 1.102 (28.0)  | .032 (.8)     | 230.0       | .076       | .76    | 2.00    |
| .027               | DPPM10S27K        | 1.220 (31.0)  | 1.043 (26.5)  | .472 (12.0)   | 1.043 (26.5)  | .032 (.8)     | 35.0        | .076       | .76    | 1.60    |
| .033               | DPPS10S33K        | 1.259 (32.0)  | 1.102 (28.0)  | .748 (19.0)   | 1.102 (28.0)  | .032 (.8)     | 280.0       | .093       | .93    | 2.40    |
| .033               | DPPM10S33K        | 1.220 (31.0)  | 1.043 (26.5)  | .511 (13.0)   | 1.043 (26.5)  | .032 (.8)     | 43.0        | .093       | .93    | 1.90    |
| .039               | DPPM10S39K        | 1.220 (31.0)  | 1.043 (26.5)  | .551 (14.0)   | 1.043 (26.5)  | .032 (.8)     | 51.0        | .110       | 1.10   | 2.10    |
| .047               | DPPM10S47K        | 1.220 (31.0)  | 1.043 (26.5)  | .590 (15.0)   | 1.043 (26.5)  | .032 (.8)     | 61.0        | .130       | 1.300  | 2.40    |
| 1200 Vdc (475 Vac) |                   |               |               |               |               |               |             |            |        |         |
| .0010              | DPPM12D1K         | .984 (25.0)   | .452 (11.5)   | .256 (6.5)    | .826 (21.0)   | .032 (.8)     | 2.1         | .003       | .030   | .21     |
| .0012              | DPPM12D12K        | .984 (25.0)   | .452 (11.5)   | .256 (6.5)    | .826 (21.0)   | .032 (.8)     | 2.5         | .004       | .036   | .23     |
| .0015              | DPPM12D15K        | .984 (25.0)   | .452 (11.5)   | .256 (6.5)    | .826 (21.0)   | .032 (.8)     | 3.2         | .004       | .045   | .25     |
| .0018              | DPPM12D18K        | .984 (25.0)   | .472 (12.0)   | .275 (7.0)    | .826 (21.0)   | .032 (.8)     | 3.8         | .005       | .054   | .29     |
| .0022              | DPPM12D22K        | .984 (25.0)   | .492 (12.5)   | .275 (7.0)    | .826 (21.0)   | .032 (.8)     | 4.6         | .007       | .066   | .32     |
| .0027              | DPFF12D27J        | 1.250 (31.8)  | .420 (10.7)   | .380 (9.7)    | .720 (18.3)   | .032 (.8)     | 18.0        | .008       | .081   | .47     |
| .0027              | DPPM12D27K        | .984 (25.0)   | .492 (12.5)   | .275 (7.0)    | .826 (21.0)   | .032 (.8)     | 5.7         | .008       | .081   | .36     |
| .0033              | DPFF12D33J        | 1.250 (31.8)  | .380 (9.7)    | .320 (8.1)    | .720 (18.3)   | .032 (.8)     | 22.0        | .010       | .098   | .52     |
| .0033              | DPPM12D33K        | .984 (25.0)   | .511 (13.0)   | .295 (7.5)    | .826 (21.0)   | .032 (.8)     | 6.9         | .010       | .098   | .41     |
| .0039              | DPFF12D39J        | 1.250 (31.8)  | .400 (10.2)   | .340 (8.6)    | .720 (18.3)   | .032 (.8)     | 27.0        | .012       | .12    | .57     |
| .0039              | DPPM12D39K        | .984 (25.0)   | .531 (13.5)   | .295 (7.5)    | .826 (21.0)   | .032 (.8)     | 8.2         | .012       | .12    | .56     |
| .0047              | DPFF12D47J        | 1.250 (31.8)  | .420 (10.7)   | .360 (9.1)    | .720 (18.3)   | .032 (.8)     | 32.0        | .014       | .14    | .62     |
| .0047              | DPPM12D47K        | .984 (25.0)   | .551 (14.0)   | .314 (8.0)    | .826 (21.0)   | .032 (.8)     | 9.9         | .014       | .14    | .50     |
| .0056              | DPFF12D56J        | 1.250 (31.8)  | .440 (11.2)   | .380 (9.7)    | .720 (18.3)   | .032 (.8)     | 38.0        | .017       | .17    | .72     |
| .0056              | DPPM12D56K        | .984 (25.0)   | .570 (14.5)   | .334 (8.5)    | .826 (21.0)   | .032 (.8)     | 12.0        | .017       | .17    | .57     |
| .0068              | DPFF12D68J        | 1.250 (31.8)  | .470 (11.9)   | .410 (10.4)   | .720 (18.3)   | .032 (.8)     | 46.0        | .020       | .20    | .79     |
| .0068              | DPPM12D68K        | 1.220 (31.0)  | .590 (15.0)   | .314 (8.0)    | 1.043 (26.5)  | .032 (.8)     | 10.0        | .020       | .20    | .68     |
| .0082              | DPFF12D82J        | 1.250 (31.8)  | .500 (12.7)   | .440 (11.2)   | .720 (18.3)   | .032 (.8)     | 56.0        | .024       | .24    | .91     |
| .0082              | DPPM12D82K        | 1.220 (31.0)  | .610 (15.5)   | .334 (8.5)    | 1.043 (26.5)  | .032 (.8)     | 12.0        | .024       | .24    | .77     |
| .010               | DPFF12S1J         | 1.250 (31.8)  | .530 (13.5)   | .470 (11.9)   | .720 (18.3)   | .032 (.8)     | 68.0        | .030       | .30    | 1.00    |
| .010               | DPPM12S1K         | 1.220 (31.0)  | .629 (16.0)   | .354 (9.0)    | 1.043 (26.5)  | .032 (.8)     | 15.0        | .030       | .30    | .87     |
| .012               | DPFF12S12J        | 1.250 (31.8)  | .570 (14.5)   | .510 (13.0)   | .720 (18.3)   | .032 (.8)     | 82.0        | .036       | .36    | 1.20    |
| .012               | DPPM12S12K        | 1.220 (31.0)  | .669 (17.0)   | .374 (9.5)    | 1.043 (26.5)  | .032 (.8)     | 18.0        | .036       | .36    | 1.00    |

Pulse, Hi-Frequency  
& Snubber  
Capacitors



# Pulse and High-Frequency, Radial-Leaded Polypropylene Capacitors

## Ratings

| Cap.<br>μF                | Catalog<br>Number | L<br>in. (mm) | H<br>in. (mm) | T<br>in. (mm) | S<br>in. (mm) | d<br>in. (mm) | IpK<br>Amps | Irms, Amps |        |         |
|---------------------------|-------------------|---------------|---------------|---------------|---------------|---------------|-------------|------------|--------|---------|
|                           |                   |               |               |               |               |               |             | 1 kHz      | 10 kHz | 100 kHz |
| <b>1200 Vdc (475 Vac)</b> |                   |               |               |               |               |               |             |            |        |         |
| .015                      | DPFF12S15J        | 1.300 (33.0)  | .650 (16.5)   | .650 (16.5)   | .720 (18.3)   | .032 (.8)     | 100         | .045       | .45    | 1.3     |
| .015                      | DPPM12S15K        | 1.220 (31.0)  | .708 (18.0)   | .413 (10.5)   | 1.043 (26.5)  | .032 (.8)     | 23          | .045       | .45    | 1.1     |
| .018                      | DPFF12S18J        | 1.650 (41.9)  | .560 (14.2)   | .500 (12.7)   | 1.095 (27.8)  | .032 (.8)     | 58          | .054       | .54    | 1.6     |
| .018                      | DPPM12S18K        | 1.220 (31.0)  | .748 (19.0)   | .433 (11.0)   | 1.043 (26.5)  | .032 (.8)     | 27          | .054       | .54    | 1.3     |
| .022                      | DPFF12S22J        | 1.650 (41.9)  | .600 (15.2)   | .540 (13.7)   | 1.095 (27.8)  | .032 (.8)     | 70          | .066       | .66    | 1.8     |
| .022                      | DPPM12S22K        | 1.220 (31.0)  | .787 (20.0)   | .472 (12.0)   | 1.043 (26.5)  | .032 (.8)     | 330         | .066       | .66    | 1.5     |
| .027                      | DPFF12S27J        | 1.650 (41.9)  | .650 (16.5)   | .590 (15.0)   | 1.095 (27.8)  | .032 (.8)     | 86          | .081       | .81    | 2.1     |
| .027                      | DPPM12S27K        | 1.220 (31.0)  | .826 (21.0)   | .511 (13.0)   | 1.043 (26.5)  | .032 (.8)     | 41          | .081       | .81    | 1.7     |
| .033                      | DPFF12S33J        | 1.650 (41.9)  | .700 (17.8)   | .640 (16.3)   | 1.095 (27.8)  | .032 (.8)     | 110         | .098       | .98    | 2.3     |
| .033                      | DPPM12S33K        | 1.220 (31.0)  | .866 (22.0)   | .551 (14.0)   | 1.043 (26.5)  | .032 (.8)     | 50          | .098       | .98    | 2.0     |
| .039                      | DPFF12S39J        | 1.700 (43.2)  | .850 (21.6)   | .850 (21.6)   | 1.095 (27.8)  | .032 (.8)     | 120         | .120       | 1.20   | 2.7     |
| .047                      | DPPM12S47J        | 1.650 (41.9)  | .800 (20.3)   | .740 (18.8)   | 1.095 (27.8)  | .032 (.8)     | 150         | .140       | 1.40   | 3.0     |
| .056                      | DPMF12S56K        | 1.700 (43.2)  | 1.070 (27.2)  | .680 (17.3)   | 1.095 (27.8)  | .040 (1.0)    | 42          | .170       | 1.70   | 3.3     |
| <b>1600 Vdc (500 Vac)</b> |                   |               |               |               |               |               |             |            |        |         |
| .0010                     | DPPS16D1K         | .984 (25.0)   | .511 (13.0)   | .354 (9.0)    | .826 (21.0)   | .032 (.8)     | 16.0        | .003       | .031   | .23     |
| .0010                     | DPPM16D1K         | .984 (25.0)   | .452 (11.5)   | .256 (6.5)    | .826 (21.0)   | .032 (.8)     | 3.7         | .003       | .031   | .21     |
| .0012                     | DPPS16D12K        | .984 (25.0)   | .511 (13.0)   | .354 (9.0)    | .826 (21.0)   | .032 (.8)     | 19.0        | .004       | .038   | .26     |
| .0012                     | DPPM16D12K        | .984 (25.0)   | .452 (11.5)   | .256 (6.5)    | .826 (21.0)   | .032 (.8)     | 4.4         | .004       | .038   | .23     |
| .0015                     | DPPS16D15K        | .984 (25.0)   | .511 (13.0)   | .354 (9.0)    | .826 (21.0)   | .032 (.8)     | 24.0        | .005       | .047   | .29     |
| .0015                     | DPPM16D15K        | .984 (25.0)   | .492 (12.5)   | .275 (7.0)    | .826 (21.0)   | .032 (.8)     | 5.6         | .005       | .047   | .27     |
| .0018                     | DPPS16D18K        | .984 (25.0)   | .551 (14.0)   | .354 (9.0)    | .826 (21.0)   | .032 (.8)     | 29.0        | .006       | .057   | .32     |
| .0018                     | DPFF16D18J        | 1.250 (31.8)  | .380 (9.7)    | .340 (8.6)    | .720 (18.3)   | .032 (.8)     | 21.0        | .006       | .057   | .38     |
| .0022                     | DPPS16D22K        | .984 (25.0)   | .590 (15.0)   | .354 (9.0)    | .826 (21.0)   | .032 (.8)     | 35.0        | .007       | .069   | .36     |
| .0022                     | DPFF16D22J        | 1.300 (33.0)  | .500 (12.7)   | .500 (12.7)   | .720 (18.3)   | .032 (.8)     | 26.0        | .007       | .069   | .42     |
| .0027                     | DPPS16D27K        | .984 (25.0)   | .629 (16.0)   | .374 (9.5)    | .826 (21.0)   | .032 (.8)     | 43.0        | .008       | .085   | .42     |
| .0027                     | DPFF16D27J        | 1.250 (31.8)  | .420 (10.7)   | .380 (9.7)    | .720 (18.3)   | .032 (.8)     | 31.0        | .008       | .085   | .50     |
| .0033                     | DPPS16D33K        | .984 (25.0)   | .669 (17.0)   | .413 (10.5)   | .826 (21.0)   | .032 (.8)     | 53.0        | .010       | .10    | .48     |
| .0033                     | DPFF16D33J        | 1.300 (33.0)  | .550 (14.0)   | .550 (14.0)   | .720 (18.3)   | .032 (.8)     | 38.0        | .010       | .10    | .55     |
| .0039                     | DPPS16D39K        | .984 (25.0)   | .708 (18.0)   | .452 (11.5)   | .826 (21.0)   | .032 (.8)     | 62.0        | .012       | .12    | .55     |
| .0039                     | DPFF16D39J        | 1.250 (31.8)  | .470 (11.9)   | .430 (10.9)   | .720 (18.3)   | .032 (.8)     | 45.0        | .012       | .12    | .63     |
| .0047                     | DPPS16D47K        | .984 (25.0)   | .4748 (19.0)  | .472 (12.0)   | .826 (21.0)   | .032 (.8)     | 75.0        | .015       | .15    | .62     |
| .0047                     | DPFF16D47J        | 1.300 (33.0)  | .600 (15.2)   | .600 (15.2)   | .720 (18.3)   | .032 (.8)     | 55.0        | .015       | .15    | .69     |
| .0056                     | DPPS16D56K        | 1.259 (32.0)  | .826 (21.0)   | .472 (12.0)   | 1.043 (26.5)  | .032 (.8)     | 90.0        | .018       | .18    | .77     |
| .0056                     | DPFF16D56J        | 1.250 (31.8)  | .530 (13.5)   | .490 (12.4)   | .720 (18.3)   | .032 (.8)     | 65.0        | .018       | .18    | .79     |
| .0068                     | DPPS16D68K        | 1.259 (32.0)  | .826 (21.0)   | .472 (12.0)   | 1.043 (26.5)  | .032 (.8)     | 110.0       | .021       | .21    | .85     |
| .0068                     | DPFF16D68J        | 1.300 (33.0)  | .650 (16.5)   | .650 (16.5)   | .720 (18.3)   | .032 (.8)     | 79.0        | .021       | .21    | .87     |
| .0082                     | DPPS16D82K        | 1.259 (32.0)  | .866 (22.0)   | .511 (13.0)   | 1.043 (26.5)  | .032 (.8)     | 130.0       | .026       | .26    | .97     |
| .0082                     | DPFF16D82J        | 1.250 (31.8)  | .600 (15.2)   | .560 (14.2)   | .720 (18.3)   | .032 (.8)     | 95.0        | .026       | .26    | 1.00    |
| .010                      | DPPS16S1K         | 1.259 (32.0)  | .905 (23.0)   | .590 (15.0)   | 1.043 (26.5)  | .032 (.8)     | 160.0       | .031       | .31    | 1.14    |
| .010                      | DPFF16S1J         | 1.300 (33.0)  | .700 (17.8)   | .700 (17.8)   | .720 (18.3)   | .032 (.8)     | 120.0       | .031       | .31    | 1.10    |
| .012                      | DPPS16S12K        | 1.259 (32.0)  | .944 (24.0)   | .629 (16.0)   | 1.043 (26.5)  | .032 (.8)     | 190.0       | .038       | .38    | 1.30    |
| .012                      | DPFF16S12J        | 1.650 (41.9)  | .580 (14.7)   | .540 (13.7)   | 1.095 (27.8)  | .032 (.8)     | 72.0        | .038       | .38    | 1.40    |
| .015                      | DPPS16S15K        | 1.259 (32.0)  | 1.023 (26.0)  | .708 (18.0)   | 1.043 (26.5)  | .032 (.8)     | 240.0       | .047       | .47    | 1.50    |
| .015                      | DPFF16S15J        | 1.700 (43.2)  | .750 (19.1)   | .750 (19.1)   | 1.095 (27.8)  | .032 (.8)     | 90.0        | .047       | .47    | 1.60    |
| .018                      | DPPS16S18K        | 1.299 (33.0)  | 1.102 (28.0)  | .787 (20.0)   | 1.102 (28.0)  | .032 (.8)     | 220.0       | .057       | .57    | 1.80    |
| .018                      | DPFF16S18J        | 1.650 (41.9)  | .670 (17.0)   | .630 (18.0)   | 1.095 (27.8)  | .032 (.8)     | 110.0       | .057       | .57    | 1.90    |
| .022                      | DPPS16S22K        | 1.299 (33.0)  | 1.181 (30.0)  | .787 (20.0)   | 1.102 (28.0)  | .032 (.8)     | 260.0       | .069       | .69    | 2.00    |
| .022                      | DPFF16S22J        | 1.650 (41.9)  | .730 (18.5)   | .690 (17.5)   | 1.095 (27.8)  | .032 (.8)     | 130.0       | .069       | .69    | 2.10    |
| .027                      | DPFF16S27J        | 1.650 (41.9)  | .780 (19.8)   | .740 (18.8)   | 1.095 (27.8)  | .032 (.8)     | 160.0       | .085       | .85    | 2.40    |
| .033                      | DPFF16S33J        | 1.700 (43.2)  | .950 (24.1)   | .950 (24.1)   | 1.095 (27.8)  | .950 (24.1)   | 200.0       | .104       | 1.00   | 2.70    |

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**CDE** **CORNELL  
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Your Source For Capacitor Solutions

# Pulse and High-Frequency, Radial-Leaded Polypropylene Capacitors

## Ratings

| Cap.<br>μF         | Catalog<br>Number | L<br>in. (mm) | H<br>in. (mm) | T<br>in. (mm) | S<br>in. (mm) | d<br>in. (mm) | Ipk<br>Amps | Irms, Amps |        |         |
|--------------------|-------------------|---------------|---------------|---------------|---------------|---------------|-------------|------------|--------|---------|
|                    |                   |               |               |               |               |               |             | 1 kHz      | 10 kHz | 100 kHz |
| 2000 Vdc (500 Vac) |                   |               |               |               |               |               |             |            |        |         |
| .001               | DPPS20D1K         | .984 (25.0)   | .590 (15.0)   | .393 (10.0)   | .826 (21.0)   | .032 (.8)     | 17.0        | .003       | .031   | .25     |
| .001               | DPPM20D1K         | .984 (25.0)   | .492 (12.5)   | .275 (7.0)    | .826 (21.0)   | .032 (.8)     | 3.9         | .003       | .031   | .22     |
| .0012              | DPPS20D12K        | .984 (25.0)   | .590 (15.0)   | .393 (10.0)   | .826 (21.0)   | .032 (.8)     | 20.0        | .004       | .038   | .28     |
| .0012              | DPPM20D12K        | .984 (25.0)   | .511 (13.0)   | .295 (7.5)    | .826 (21.0)   | .032 (.8)     | 4.7         | .004       | .038   | .24     |
| .0015              | DPPS20D15K        | .984 (25.0)   | .590 (15.0)   | .393 (10.0)   | .826 (21.0)   | .032 (.8)     | 25.0        | .005       | .047   | .31     |
| .0015              | DPPM20D15K        | .984 (25.0)   | .551 (14.0)   | .314 (8.0)    | .826 (21.0)   | .032 (.8)     | 5.9         | .005       | .047   | .29     |
| .0018              | DPPS20D18K        | .984 (25.0)   | .629 (16.0)   | .433 (11.0)   | .826 (21.0)   | .032 (.8)     | 30.0        | .006       | .057   | .35     |
| .0018              | DPPM20D18K        | .984 (25.0)   | .610 (15.5)   | .334 (8.5)    | .826 (21.0)   | .032 (.8)     | 7.0         | .006       | .057   | .33     |
| .0022              | DPPS20D22K        | .984 (25.0)   | .669 (17.0)   | .472 (12.0)   | .826 (21.0)   | .032 (.8)     | 37.0        | .007       | .069   | .41     |
| .0022              | DPPM20D22K        | .984 (25.0)   | .629 (16.0)   | .354 (9.0)    | .826 (21.0)   | .032 (.8)     | 8.3         | .007       | .069   | .37     |
| .0027              | DPPS20D27K        | .984 (25.0)   | .708 (18.0)   | .511 (13.0)   | .826 (21.0)   | .032 (.8)     | 45.0        | .008       | .085   | .47     |
| .0027              | DPPM20D27K        | .984 (25.0)   | .649 (16.5)   | .374 (9.5)    | .826 (21.0)   | .032 (.8)     | 11.0        | .008       | .085   | .42     |
| .0033              | DPPS20D33K        | .984 (25.0)   | .787 (20.0)   | .551 (14.0)   | .826 (21.0)   | .032 (.8)     | 55.0        | .010       | .10    | .55     |
| .0033              | DPPM20D33K        | .984 (25.0)   | .688 (17.5)   | .413 (10.5)   | .826 (21.0)   | .032 (.8)     | 13.0        | .010       | .10    | .49     |
| .0039              | DPPS20D39K        | .984 (25.0)   | .866 (22.0)   | .590 (15.0)   | .826 (21.0)   | .032 (.8)     | 66.0        | .012       | .12    | .63     |
| .0039              | DPPM20D39K        | .984 (25.0)   | .748 (19.0)   | .433 (11.0)   | .826 (21.0)   | .032 (.8)     | 15.0        | .012       | .12    | .55     |
| .0047              | DPPS20D47K        | 1.259 (32.0)  | .866 (22.0)   | .551 (14.0)   | 1.043 (26.5)  | .032 (.8)     | 79.0        | .015       | .15    | .75     |
| .0047              | DPPM20D47K        | 1.220 (31.0)  | .748 (19.0)   | .393 (10.0)   | 1.043 (26.5)  | .032 (.8)     | 14.0        | .015       | .15    | .65     |
| .0056              | DPPS20D56K        | 1.259 (32.0)  | .905 (23.0)   | .590 (15.0)   | 1.043 (26.5)  | .032 (.8)     | 94.0        | .018       | .18    | .85     |
| .0056              | DPPM20D56K        | 1.220 (31.0)  | .767 (19.5)   | .433 (11.0)   | 1.043 (26.5)  | .032 (.8)     | 16.0        | .018       | .18    | .73     |
| .0068              | DPPS20D68K        | 1.259 (32.0)  | .944 (24.0)   | .629 (16.0)   | 1.043 (26.5)  | .032 (.8)     | 110.0       | .021       | .21    | .96     |
| .0068              | DPPM20D68K        | 1.220 (31.0)  | .807 (20.5)   | .472 (12.0)   | 1.043 (26.5)  | .032 (.8)     | 20.0        | .021       | .21    | .84     |
| .0082              | DPPS20D82K        | 1.259 (32.0)  | .984 (25.0)   | .669 (17.0)   | 1.043 (26.5)  | .032 (.8)     | 140.0       | .026       | .26    | 1.10    |
| .0082              | DPPM20D82K        | 1.220 (31.0)  | .846 (21.5)   | .511 (13.0)   | 1.043 (26.5)  | .032 (.8)     | 240         | .026       | .26    | .95     |
| .01                | DPPS20S1K         | 1.259 (32.0)  | 1.023 (26.0)  | .708 (18.0)   | 1.043 (26.5)  | .032 (.8)     | 170.0       | .031       | .31    | 1.20    |
| .01                | DPPM20S1K         | 1.220 (31.0)  | .866 (22.0)   | .551 (14.0)   | 1.043 (26.5)  | .032 (.8)     | 29.0        | .031       | .31    | 1.10    |
| .012               | DPPS20S12K        | 1.299 (33.0)  | 1.122 (28.5)  | .787 (20.0)   | 1.102 (28.0)  | .032 (.8)     | 150.0       | .038       | .38    | 1.50    |
| .012               | DPPM20S12K        | 1.220 (31.0)  | .925 (23.5)   | .570 (14.5)   | 1.043 (26.5)  | .032 (.8)     | 35.0        | .038       | .38    | 1.20    |
| .015               | DPPS20S15K        | 1.299 (33.0)  | 1.220 (31.0)  | .826 (21.0)   | 1.102 (28.0)  | .032 (.8)     | 190.0       | .047       | .47    | 1.70    |
| .015               | DPPM20S15K        | 1.220 (31.0)  | .964 (24.5)   | .629 (16.0)   | 1.043 (26.5)  | .032 (.8)     | 44.0        | .047       | .47    | 1.40    |

Pulse, Hi-Frequency  
& Snubber  
Capacitors