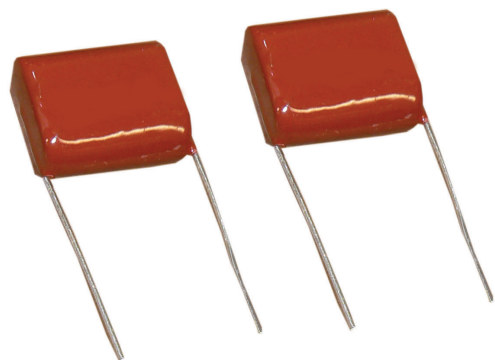


# Type DPFF High AC Current Polypropylene Film Capacitors

## High Voltage Single and Series Section Film/Foil Polypropylene Capacitors



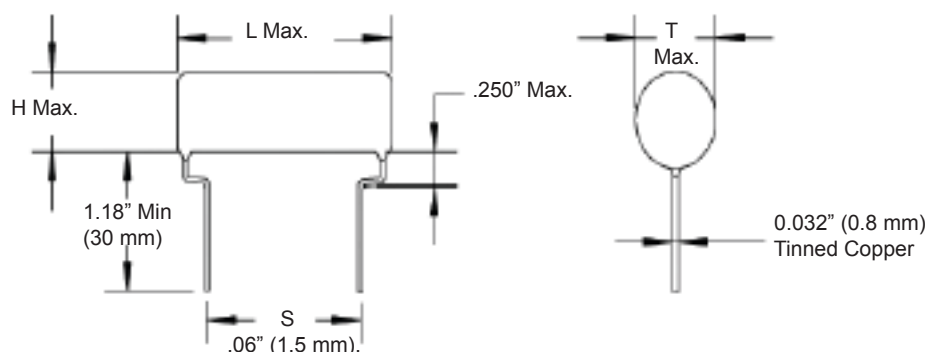
Type DPFF radial leaded polypropylene film/foil capacitors feature single and series section construction. Part numbers with the "S" suffix have extended aluminum foil with a floating metallized film. Excellent temperature stability to 105 °C and low loss characteristics, make Type DPFF ideal for high AC current and pulse applications.

### Highlights

- High dv/dt
- High AC current
- Good for pulse applications
- Low DF

**RoHS Compliant**

### Outline Drawing



NOTE: Other capacitance values, sizes and performance specifications are available. Please contact CDE.

### Specifications

|                                     |                                                                     |
|-------------------------------------|---------------------------------------------------------------------|
| <b>Capacitance Range:</b>           | 0.001 to 0.47 $\mu$ F                                               |
| <b>Voltage Range:</b>               | 200 to 1600 Vdc (155 to 500 Vac 60 Hz)                              |
| <b>Capacitance Tolerance:</b>       | $\pm$ 5% standard, $\pm$ 10% optional                               |
| <b>Operating Temperature Range:</b> | -55 °C to +105 °C (derate linearly to 50% rated voltage at +105 °C) |
| <b>Dielectric Strength:</b>         | 250% ( $\leq$ 800 Vdc ) 200% (1200 and 1600 Vdc) for 1 minute       |
| <b>Dissipation Factor:</b>          | 0.10% Max. (+25 °C, 1 KHz)                                          |
| <b>Insulation Resistance:</b>       | 50,000 M $\Omega$ · $\mu$ F, 100,000 M $\Omega$ Min.                |
| <b>Life Test:</b>                   | 500 hr @ 85 °C @ 125% rated voltage                                 |
| <b>Pulse Capability:</b>            |                                                                     |

| Rated<br>Volts | Body Length                            |           |             |             |
|----------------|----------------------------------------|-----------|-------------|-------------|
|                | .700-.750                              | .900-.950 | 1.250-1.300 | 1.650-1.700 |
|                | dV/dt — volts per microsecond, maximum |           |             |             |
| 200            | 4600                                   | 2400      | 1400        | 720         |
| 400            | 6000                                   | 3200      | 1800        | 840         |
| 600            | 8000                                   | 6600      | 2800        | 1200        |
| 800            |                                        |           | 6000        | 3200        |
| 1200           |                                        |           | 6800        | 3200        |
| 1600           |                                        |           | 11600       | 6000        |

# Type DPFF High AC Current Polypropylene Film Capacitors

## Ratings

| Cap<br>(µF)                        | Catalog<br>Part Number | T Max.<br>Inches (mm) | H Max.<br>Inches (mm) | L Max.<br>Inches (mm) | S ±0.06 (±1.5)<br>Inches (mm) |
|------------------------------------|------------------------|-----------------------|-----------------------|-----------------------|-------------------------------|
| <b>200/250 Vdc (155 Vac 60 Hz)</b> |                        |                       |                       |                       |                               |
| .0120                              | DPFF2S12J-F            | 0.37 (9.4)            | 0.37 (9.4)            | 0.75 (19.1)           | 0.374 (9.5)                   |
| .0150                              | DPFF2S15J-F            | 0.37 (9.4)            | 0.37 (9.4)            | 0.75 (19.1)           | 0.374 (9.5)                   |
| .0150                              | DPFF2S15JS-F           | 0.28 (7.1)            | 0.34 (8.6)            | 0.70 (17.8)           | 0.374 (9.5)                   |
| .0180                              | DPFF2S18J-F            | 0.37 (9.4)            | 0.37 (9.4)            | 0.75 (19.1)           | 0.374 (9.5)                   |
| .0220                              | DPFF2S22J-F            | 0.37 (9.4)            | 0.37 (9.4)            | 0.75 (19.1)           | 0.374 (9.5)                   |
| .0220                              | DPFF2S22JS-F           | 0.31 (7.9)            | 0.37 (9.4)            | 0.70 (17.8)           | 0.374 (9.5)                   |
| .0270                              | DPFF2S27J-F            | 0.42 (10.7)           | 0.42 (10.7)           | 0.75 (19.1)           | 0.374 (9.5)                   |
| .0330                              | DPFF2S33J-F            | 0.42 (10.7)           | 0.42 (10.7)           | 0.75 (19.1)           | 0.374 (9.5)                   |
| .0330                              | DPFF2S33JS-F           | 0.36 (9.1)            | 0.42 (10.7)           | 0.70 (17.8)           | 0.374 (9.5)                   |
| .0390                              | DPFF2S39J-F            | 0.40 (10.2)           | 0.40 (10.2)           | 0.95 (24.1)           | 0.374 (9.5)                   |
| .0470                              | DPFF2S47J-F            | 0.40 (10.2)           | 0.40 (10.2)           | 0.95 (24.1)           | 0.374 (9.5)                   |
| .0470                              | DPFF2S47JS-F           | 0.34 (8.6)            | 0.40 (10.2)           | 0.90 (22.9)           | 0.374 (9.5)                   |
| .0560                              | DPFF2S56J-F            | 0.45 (11.4)           | 0.45 (11.4)           | 0.95 (24.1)           | 0.374 (9.5)                   |
| .0680                              | DPFF2S68J-F            | 0.45 (11.4)           | 0.45 (11.4)           | 0.95 (24.1)           | 0.374 (9.5)                   |
| .0680                              | DPFF2S68JS-F           | 0.39 (9.9)            | 0.45 (11.4)           | 0.90 (22.9)           | 0.374 (9.5)                   |
| .0820                              | DPFF2S82J-F            | 0.45 (11.4)           | 0.45 (11.4)           | 1.30 (33.0)           | 0.72 (18.3)                   |
| .1000                              | DPFF2P1J-F             | 0.45 (11.4)           | 0.45 (11.4)           | 1.25 (31.8)           | 0.72 (18.3)                   |
| .1000                              | DPFF2P1JS-F            | 0.38 (9.7)            | 0.44 (11.2)           | 1.25 (31.8)           | 0.72 (18.3)                   |
| .1200                              | DPFF2P12J-F            | 0.55 (14.0)           | 0.55 (14.0)           | 1.30 (33.0)           | 0.72 (18.3)                   |
| .1500                              | DPFF2P15J-F            | 0.55 (14.0)           | 0.55 (14.0)           | 1.30 (33.0)           | 0.72 (18.3)                   |
| .1500                              | DPFF2P15JS-F           | 0.44 (11.2)           | 0.50 (12.7)           | 1.25 (31.8)           | 0.72 (18.3)                   |
| .1800                              | DPFF2P18J-F            | 0.62 (15.7)           | 0.62 (15.7)           | 1.30 (33.0)           | 0.72 (18.3)                   |
| .2200                              | DPFF2P22J-F            | 0.62 (15.7)           | 0.62 (15.7)           | 1.30 (33.0)           | 0.72 (18.3)                   |
| .2200                              | DPFF2P22JS-F           | 0.51 (13.0)           | 0.57 (14.5)           | 1.25 (31.8)           | 0.72 (18.3)                   |
| .2700                              | DPFF2P27J-F            | 0.65 (16.5)           | 0.65 (14.5)           | 1.70 (43.2)           | 1.095 (27.8)                  |
| .3300                              | DPFF2P33J-F            | 0.65 (16.5)           | 0.65 (14.5)           | 1.65 (41.9)           | 1.095 (27.8)                  |
| .3300                              | DPFF2P33JS-F           | 0.53 (13.5)           | 0.59 (15.0)           | 1.65 (41.9)           | 1.095 (27.8)                  |
| .3900                              | DPFF2P39J-F            | 0.75 (19.1)           | 0.75 (19.1)           | 1.70 (43.2)           | 1.095 (27.8)                  |
| .4700                              | DPFF2P47J-F            | 0.75 (19.1)           | 0.75 (19.1)           | 1.70 (43.2)           | 1.095 (27.8)                  |
| .4700                              | DPFF2P47JS-F           | 0.6 (15.2)            | 0.66 (168)            | 1.65 (41.9)           | 1.095 (27.8)                  |
| <b>400 Vdc (200 Vac 60 Hz)</b>     |                        |                       |                       |                       |                               |
| .0039                              | DPFF4D39J-F            | 0.40 (10.2)           | 0.40 (10.2)           | 0.75 (19.1)           | 0.374 (9.5)                   |
| .0047                              | DPFF4D47J-F            | 0.40 (10.2)           | 0.40 (10.2)           | 0.75 (19.1)           | 0.374 (9.5)                   |
| .0056                              | DPFF4D56J-F            | 0.40 (10.2)           | 0.40 (10.2)           | 0.75 (19.1)           | 0.374 (9.5)                   |
| .0068                              | DPFF4D68J-F            | 0.40 (10.2)           | 0.40 (10.2)           | 0.75 (19.1)           | 0.374 (9.5)                   |
| .0082                              | DPFF4D82J-F            | 0.40 (10.2)           | 0.40 (10.2)           | 0.75 (19.1)           | 0.374 (9.5)                   |
| .0100                              | DPFF4S1J-F             | 0.40 (10.2)           | 0.40 (10.2)           | 0.75 (19.1)           | 0.374 (9.5)                   |
| .0120                              | DPFF4S12J-F            | 0.45 (11.4)           | 0.45 (11.4)           | 0.75 (19.1)           | 0.374 (9.5)                   |
| .0150                              | DPFF4S15J-F            | 0.45 (11.4)           | 0.45 (11.4)           | 0.75 (19.1)           | 0.374 (9.5)                   |
| .0150                              | DPFF4S15JS-F           | 0.34 (8.6)            | 0.40 (10.2)           | 0.70 (17.8)           | 0.374 (9.5)                   |
| .0180                              | DPFF4S18J-F            | 0.45 (11.4)           | 0.45 (11.4)           | 0.95 (24.1)           | 0.374 (9.5)                   |
| .0220                              | DPFF4S22J-F            | 0.45 (11.4)           | 0.45 (11.4)           | 0.95 (24.1)           | 0.374 (9.5)                   |
| .0270                              | DPFF4S27J-F            | 0.50 (12.7)           | 0.50 (12.7)           | 0.95 (24.1)           | 0.374 (9.5)                   |
| .0330                              | DPFF4S33J-F            | 0.50 (12.7)           | 0.50 (12.7)           | 0.95 (24.1)           | 0.374 (9.5)                   |
| .0330                              | DPFF4S33JS-F           | 0.38 (9.7)            | 0.44 (11.2)           | 0.90 (22.9)           | 0.374 (9.5)                   |
| .0390                              | DPFF4S39J-F            | 0.50 (12.7)           | 0.50 (12.7)           | 1.30 (33.0)           | 0.72 (18.3)                   |

| Cap<br>(µF)                        | Catalog<br>Part Number | T Max.<br>Inches (mm) | H Max.<br>Inches (mm) | L Max.<br>Inches (mm) | S ±0.06 (±1.5)<br>Inches (mm) |
|------------------------------------|------------------------|-----------------------|-----------------------|-----------------------|-------------------------------|
| <b>400 Vdc (200 Vac 60 Hz)</b>     |                        |                       |                       |                       |                               |
| .0470                              | DPFF4S47J-F            | 0.50 (12.7)           | 0.50 (12.7)           | 1.30 (33.0)           | 0.72 (18.3)                   |
| .0560                              | DPFF4S56J-F            | 0.55 (14.0)           | 0.55 (14.0)           | 1.30 (33.0)           | 0.72 (18.3)                   |
| .0680                              | DPFF4S68J-F            | 0.55 (14.0)           | 0.55 (14.0)           | 1.30 (33.0)           | 0.72 (18.3)                   |
| .0820                              | DPFF4S82J-F            | 0.60 (15.2)           | 0.60 (15.2)           | 1.30 (33.0)           | 0.72 (18.3)                   |
| .1000                              | DPFF4P1J-F             | 0.60 (15.2)           | 0.60 (15.2)           | 1.30 (33.0)           | 0.72 (18.3)                   |
| .1200                              | DPFF4P12J-F            | 0.65 (16.5)           | 0.65 (16.5)           | 1.30 (33.0)           | 0.72 (18.3)                   |
| .1500                              | DPFF4P15J-F            | 0.65 (16.5)           | 0.65 (16.5)           | 1.30 (33.0)           | 0.72 (18.3)                   |
| .1500                              | DPFF4P15JS-F           | 0.56 (14.2)           | 0.62 (15.7)           | 1.25 (31.8)           | 0.72 (18.3)                   |
| .1800                              | DPFF4P18J-F            | 0.70 (17.8)           | 0.70 (17.8)           | 1.70 (43.2)           | 1.095 (27.8)                  |
| .2200                              | DPFF4P22J-F            | 0.70 (17.8)           | 0.70 (17.8)           | 1.70 (43.2)           | 1.095 (27.8)                  |
| .2200                              | DPFF4P22JS-F           | 0.58 (14.7)           | 0.64 (16.3)           | 1.65 (41.9)           | 1.095 (27.8)                  |
| .2700                              | DPFF4P27J-F            | 0.80 (20.3)           | 0.80 (20.3)           | 1.70 (43.2)           | 1.095 (27.8)                  |
| .3300                              | DPFF4P33J-F            | 0.80 (20.3)           | 0.80 (20.3)           | 1.70 (43.2)           | 1.095 (27.8)                  |
| .3300                              | DPFF4P33JS-F           | 0.70 (17.8)           | 0.76 (19.3)           | 1.65 (41.9)           | 1.095 (27.8)                  |
| .3900                              | DPFF4P39J-F            | 0.90 (22.9)           | 0.90 (22.9)           | 1.70 (43.2)           | 1.095 (27.8)                  |
| .4700                              | DPFF4P47J-F            | 0.90 (22.9)           | 0.90 (22.9)           | 1.70 (43.2)           | 1.095 (27.8)                  |
| .4700                              | DPFF4P47JS-F           | 0.82 (20.8)           | 0.88 (22.4)           | 1.65 (41.9)           | 1.095 (27.8)                  |
| <b>600/630 Vdc (200 Vac 60 Hz)</b> |                        |                       |                       |                       |                               |
| .0010                              | DPFF6D1J-F             | 0.40 (10.2)           | 0.40 (10.2)           | 0.75 (19.1)           | 0.374 (9.5)                   |
| .0012                              | DPFF6D12J-F            | 0.40 (10.2)           | 0.40 (10.2)           | 0.75 (19.1)           | 0.374 (9.5)                   |
| .0015                              | DPFF6D15J-F            | 0.40 (10.2)           | 0.40 (10.2)           | 0.75 (19.1)           | 0.374 (9.5)                   |
| .0015                              | DPFF6D15JS-F           | 0.32 (8.1)            | 0.36 (9.1)            | 0.70 (17.8)           | 0.374 (9.5)                   |
| .0018                              | DPFF6D18J-F            | 0.40 (10.2)           | 0.40 (10.2)           | 0.75 (19.1)           | 0.374 (9.5)                   |
| .0022                              | DPFF6D22J-F            | 0.40 (10.2)           | 0.40 (10.2)           | 0.75 (19.1)           | 0.374 (9.5)                   |
| .0027                              | DPFF6D27J-F            | 0.40 (10.2)           | 0.40 (10.2)           | 0.75 (19.1)           | 0.374 (9.5)                   |
| .0033                              | DPFF6D33J-F            | 0.40 (10.2)           | 0.40 (10.2)           | 0.75 (19.1)           | 0.374 (9.5)                   |
| .0033                              | DPFF6D33JS-F           | 0.32 (8.1)            | 0.36 (9.1)            | 0.70 (17.8)           | 0.374 (9.5)                   |
| .0039                              | DPFF6D39J-F            | 0.45 (11.4)           | 0.45 (11.4)           | 0.75 (19.1)           | 0.374 (9.5)                   |
| .0047                              | DPFF6D47J-F            | 0.45 (11.4)           | 0.45 (11.4)           | 0.75 (19.1)           | 0.374 (9.5)                   |
| .0047                              | DPFF6D47JS-F           | 0.34 (8.6)            | 0.38 (9.7)            | 0.70 (17.8)           | 0.374 (9.5)                   |
| .0056                              | DPFF6D56J-F            | 0.45 (11.4)           | 0.45 (11.4)           | 0.75 (19.1)           | 0.374 (9.5)                   |
| .0068                              | DPFF6D68J-F            | 0.45 (11.4)           | 0.45 (11.4)           | 0.75 (19.1)           | 0.374 (9.5)                   |
| .0068                              | DPFF6D68JS-F           | 0.38 (9.7)            | 0.42 (10.7)           | 0.70 (17.8)           | 0.374 (9.5)                   |
| .0082                              | DPFF6D82J-F            | 0.45 (11.4)           | 0.45 (11.4)           | 0.95 (24.1)           | 0.374 (9.5)                   |
| .0100                              | DPFF6S1J-F             | 0.45 (11.4)           | 0.45 (11.4)           | 0.95 (24.1)           | 0.374 (9.5)                   |
| .0100                              | DPFF6S1JS-F            | 0.36 (8.1)            | 0.40 (10.2)           | 0.90 (22.9)           | 0.374 (9.5)                   |
| .0120                              | DPFF6S12J-F            | 0.50 (12.7)           | 0.50 (12.7)           | 0.95 (24.1)           | 0.374 (9.5)                   |
| .0150                              | DPFF6S15J-F            | 0.50 (12.7)           | 0.50 (12.7)           | 0.95 (24.1)           | 0.374 (9.5)                   |
| .0150                              | DPFF6S15JS-F           | 0.42 (10.7)           | 0.46 (11.7)           | 0.90 (22.9)           | 0.374 (9.5)                   |
| .0180                              | DPFF6S18J-F            | 0.55 (14.0)           | 0.55 (14.0)           | 0.95 (24.1)           | 0.374 (9.5)                   |
| .0220                              | DPFF6S22J-F            | 0.55 (14.0)           | 0.55 (14.0)           | 0.95 (24.1)           | 0.374 (9.5)                   |
| .0220                              | DPFF6S22JS-F           | 0.48 (12.2)           | 0.52 (13.2)           | 0.90 (22.9)           | 0.374 (9.5)                   |
| .0270                              | DPFF6S27J-F            | 0.55 (14.0)           | 0.55 (14.0)           | 1.30 (33.0)           | 0.72 (18.3)                   |
| .0270                              | DPFF6S27JS-F           | 0.43 (10.9)           | 0.47 (11.9)           | 1.25 (31.8)           | 0.72 (18.3)                   |
| .0330                              | DPFF6S33J-F            | 0.55 (14.0)           | 0.55 (14.0)           | 1.30 (33.0)           | 0.72 (18.3)                   |
| .0390                              | DPFF6S39J-F            | 0.60 (15.2)           | 0.60 (15.2)           | 1.30 (33.0)           | 0.72 (18.3)                   |

# Type DPFF High AC Current Polypropylene Film Capacitors

| Cap<br>( $\mu$ F)                  | Catalog<br>Part Number | T Max.<br>Inches (mm) | H Max.<br>Inches (mm) | L Max.<br>Inches (mm) | S $\pm 0.06$ ( $\pm 1.5$ )<br>Inches (mm) |
|------------------------------------|------------------------|-----------------------|-----------------------|-----------------------|-------------------------------------------|
| <b>600/630 Vdc (200 Vac 60 Hz)</b> |                        |                       |                       |                       |                                           |
| .0470                              | DPFF6S47J-F            | 0.60 (15.2)           | 0.60 (15.2)           | 1.30 (33.0)           | 0.72 (18.3)                               |
| .0560                              | DPFF6S56J-F            | 0.65 (16.5)           | 0.65 (16.5)           | 1.30 (33.0)           | 0.72 (18.3)                               |
| .0680                              | DPFF6S68J-F            | 0.65 (16.5)           | 0.65 (16.5)           | 1.30 (33.0)           | 0.72 (18.3)                               |
| .0680                              | DPFF6S68JS-F           | 0.60 (15.2)           | 0.64 (16.3)           | 1.25 (31.8)           | 0.72 (18.3)                               |
| .0820                              | DPFF6S82J-F            | 0.75 (16.0)           | 0.75 (16.0)           | 1.30 (33.0)           | 0.72 (18.3)                               |
| .1000                              | DPFF6P1J-F             | 0.75 (16.0)           | 0.75 (16.0)           | 1.30 (33.0)           | 0.72 (18.3)                               |
| .1000                              | DPFF6P1JS-F            | 0.71 (18.0)           | 0.75 (16.0)           | 1.25 (31.8)           | 0.72 (18.3)                               |
| .1200                              | DPFF6P12J-F            | 0.75 (19.0)           | 0.75 (19.0)           | 1.70 (43.2)           | 1.095 (27.8)                              |
| .1500                              | DPFF6P15J-F            | 0.75 (19.0)           | 0.75 (19.0)           | 1.70 (43.2)           | 1.095 (27.8)                              |
| .1500                              | DPFF6P15JS-F           | 0.71 (18.0)           | 0.75 (19.0)           | 1.65 (41.9)           | 1.095 (27.8)                              |
| .1800                              | DPFF6P18J-F            | 0.85 (21.6)           | 0.85 (21.6)           | 1.70 (43.2)           | 1.095 (27.8)                              |
| .2200                              | DPFF6P22J-F            | 0.85 (21.6)           | 0.85 (21.6)           | 1.70 (43.2)           | 1.095 (27.8)                              |
| .2200                              | DPFF6P22JS-F           | 0.83 (21.1)           | 0.85 (21.6)           | 1.65 (41.9)           | 1.095 (27.8)                              |
| <b>800 Vdc (450 Vac 60 Hz)</b>     |                        |                       |                       |                       |                                           |
| .0056                              | DPFF8D56J-F            | 0.50 (12.7)           | 0.50 (12.7)           | 1.30 (33.0)           | 0.72 (18.3)                               |
| .0056                              | DPFF8D56JS-F           | 0.28 (7.1)            | 0.34 (8.6)            | 1.25 (31.8)           | 0.72 (18.3)                               |
| .0068                              | DPFF8D68J-F            | 0.50 (12.7)           | 0.50 (12.7)           | 1.30 (33.0)           | 0.72 (18.3)                               |
| .0082                              | DPFF8D82J-F            | 0.50 (12.7)           | 0.50 (12.7)           | 1.30 (33.0)           | 0.72 (18.3)                               |
| .0100                              | DPFF8S1J-F             | 0.50 (12.7)           | 0.50 (12.7)           | 1.30 (33.0)           | 0.72 (18.3)                               |
| .0100                              | DPFF8S1JS-F            | 0.50 (12.7)           | 0.50 (12.7)           | 1.30 (33.0)           | 0.72 (18.3)                               |
| .0120                              | DPFF8S12J-F            | 0.55 (14.0)           | 0.55 (14.0)           | 1.30 (33.0)           | 0.72 (18.3)                               |
| .0120                              | DPFF8S12JS-F           | 0.35 (8.9)            | 0.41 (10.4)           | 1.25 (31.8)           | 0.72 (18.3)                               |
| .0150                              | DPFF8S15J-F            | 0.55 (14.0)           | 0.55 (14.0)           | 1.30 (33.0)           | 0.72 (18.3)                               |
| .0150                              | DPFF8S15JS-F           | 0.38 (9.7)            | 0.44 (11.2)           | 1.25 (31.8)           | 0.72 (18.3)                               |
| .0180                              | DPFF8S18J-F            | 0.60 (15.2)           | 0.60 (15.2)           | 1.30 (33.0)           | 0.72 (18.3)                               |
| .0220                              | DPFF8S22J-F            | 0.60 (15.2)           | 0.60 (15.2)           | 1.30 (33.0)           | 0.72 (18.3)                               |
| .0220                              | DPFF8S22JS-F           | 0.44 (11.2)           | 0.50 (12.7)           | 1.25 (31.8)           | 0.72 (18.3)                               |
| .0270                              | DPFF8S27J-F            | 0.70 (17.8)           | 0.70 (17.8)           | 1.30 (33.0)           | 0.72 (18.3)                               |
| .0330                              | DPFF8S33J-F            | 0.70 (17.8)           | 0.70 (17.8)           | 1.30 (33.0)           | 0.72 (18.3)                               |
| .0330                              | DPFF8S33JS-F           | 0.51 (13.0)           | 0.57 (14.5)           | 1.25 (31.8)           | 0.72 (18.3)                               |
| .0390                              | DPFF8S39J-F            | 0.70 (17.8)           | 0.70 (17.8)           | 1.70 (43.2)           | 1.095 (27.8)                              |
| .0470                              | DPFF8S47J-F            | 0.70 (17.8)           | 0.70 (17.8)           | 1.70 (43.2)           | 1.095 (27.8)                              |
| .0560                              | DPFF8S56J-F            | 0.80 (20.3)           | 0.80 (20.3)           | 1.70 (43.2)           | 1.095 (27.8)                              |
| .0680                              | DPFF8S68J-F            | 0.80 (20.3)           | 0.80 (20.3)           | 1.70 (43.2)           | 1.095 (27.8)                              |
| .0680                              | DPFF8S68JS-F           | 0.58 (14.7)           | 0.64 (16.3)           | 1.65 (41.9)           | 1.095 (27.8)                              |
| .0820                              | DPFF8S82J-F            | 0.90 (22.9)           | 0.90 (22.9)           | 1.70 (43.2)           | 1.095 (27.8)                              |
| .1000                              | DPFF8P1J-F             | 0.90 (22.9)           | 0.90 (22.9)           | 1.70 (43.2)           | 1.095 (27.8)                              |
| .1000                              | DPFF8P1JS-F            | 0.67 (17.0)           | 0.73 (18.5)           | 1.65 (41.9)           | 1.095 (27.8)                              |
| <b>1200 Vdc (475 Vac 60 Hz)</b>    |                        |                       |                       |                       |                                           |
| .0027                              | DPFF12D27J-F           | 0.50 (12.7)           | 0.50 (12.7)           | 1.30 (33.0)           | 0.72 (18.3)                               |
| .0033                              | DPFF12D33J-F           | 0.50 (12.7)           | 0.50 (12.7)           | 1.30 (33.0)           | 0.72 (18.3)                               |
| .0039                              | DPFF12D39J-F           | 0.50 (12.7)           | 0.50 (12.7)           | 1.30 (33.0)           | 0.72 (18.3)                               |
| .0047                              | DPFF12D47J-F           | 0.50 (12.7)           | 0.50 (12.7)           | 1.30 (33.0)           | 0.72 (18.3)                               |
| .0056                              | DPFF12D56J-F           | 0.55 (14.0)           | 0.55 (14.0)           | 1.30 (33.0)           | 0.72 (18.3)                               |
| .0068                              | DPFF12D68J-F           | 0.55 (14.0)           | 0.55 (14.0)           | 1.30 (33.0)           | 0.72 (18.3)                               |
| .0082                              | DPFF12D82J-F           | 0.60 (15.2)           | 0.60 (15.2)           | 1.30 (33.0)           | 0.72 (18.3)                               |

| Cap<br>( $\mu$ F)               | Catalog<br>Part Number | T Max.<br>Inches (mm) | H Max.<br>Inches (mm) | L Max.<br>Inches (mm) | S $\pm 0.06$ ( $\pm 1.5$ )<br>Inches (mm) |
|---------------------------------|------------------------|-----------------------|-----------------------|-----------------------|-------------------------------------------|
| <b>1200 Vdc (475 Vac 60 Hz)</b> |                        |                       |                       |                       |                                           |
| .0100                           | DPFF12S1J-F            | 0.60 (15.2)           | 0.60 (15.2)           | 1.30 (33.0)           | 0.72 (18.3)                               |
| .0120                           | DPFF12S12J-F           | 0.65 (16.5)           | 0.65 (16.5)           | 1.30 (33.0)           | 0.72 (18.3)                               |
| .0150                           | DPFF12S15J-F           | 0.65 (16.5)           | 0.65 (16.5)           | 1.30 (33.0)           | 0.72 (18.3)                               |
| .0150                           | DPFF12S15JS-F          | 0.55 (14.0)           | 0.61 (15.5)           | 1.25 (31.8)           | 0.72 (18.3)                               |
| .0180                           | DPFF12S18J-F           | 0.65 (16.5)           | 0.65 (16.5)           | 1.30 (33.0)           | 1.095 (27.8)                              |
| .0220                           | DPFF12S22J-F           | 0.65 (16.5)           | 0.65 (16.5)           | 1.30 (33.0)           | 1.095 (27.8)                              |
| .0270                           | DPFF12S27J-F           | 0.75 (16.0)           | 0.75 (16.0)           | 1.70 (43.2)           | 1.095 (27.8)                              |
| .0330                           | DPFF12S33J-F           | 0.75 (16.0)           | 0.75 (16.0)           | 1.70 (43.2)           | 1.095 (27.8)                              |
| .0390                           | DPFF12S39J-F           | 0.85 (21.6)           | 0.85 (21.6)           | 1.70 (43.2)           | 1.095 (27.8)                              |
| .0390                           | DPFF12S39JS-F          | 0.68 (17.3)           | 0.74 (18.8)           | 1.65 (41.9)           | 1.095 (27.8)                              |
| .0470                           | DPFF12S47J-F           | 0.85 (21.6)           | 0.85 (21.6)           | 1.70 (43.2)           | 1.095 (27.8)                              |
| <b>1600 Vdc (500 Vac 60 Hz)</b> |                        |                       |                       |                       |                                           |
| .0010                           | DPFF16D1JS-F           | 0.29 (7.4)            | 0.33 (8.4)            | 1.25 (31.8)           | 0.72 (18.3)                               |
| .0012                           | DPFF16D12JS-F          | 0.30 (7.6)            | 0.34 (8.6)            | 1.25 (31.8)           | 0.72 (18.3)                               |
| .0015                           | DPFF16D15JS-F          | 0.32 (8.1)            | 0.36 (9.1)            | 1.25 (31.8)           | 0.72 (18.3)                               |
| .0018                           | DPFF16D18J-F           | 0.50 (12.7)           | 0.50 (12.7)           | 1.30 (33.0)           | 0.72 (18.3)                               |
| .0022                           | DPFF16D22J-F           | 0.50 (12.7)           | 0.50 (12.7)           | 1.30 (33.0)           | 0.72 (18.3)                               |
| .0022                           | DPFF16D22JS-F          | 0.35 (8.9)            | 0.39 (9.9)            | 1.25 (31.8)           | 0.72 (18.3)                               |
| .0027                           | DPFF16D27J-F           | 0.55 (14.0)           | 0.55 (14.0)           | 1.30 (33.0)           | 0.72 (18.3)                               |
| .0033                           | DPFF16D33J-F           | 0.55 (14.0)           | 0.55 (14.0)           | 1.30 (33.0)           | 0.72 (18.3)                               |
| .0033                           | DPFF16D33JS-F          | 0.40 (10.2)           | 0.44 (11.2)           | 1.25 (31.8)           | 0.72 (18.3)                               |
| .0039                           | DPFF16D39J-F           | 0.60 (15.2)           | 0.60 (15.2)           | 1.30 (33.0)           | 0.72 (18.3)                               |
| .0047                           | DPFF16D47J-F           | 0.60 (15.2)           | 0.60 (15.2)           | 1.30 (33.0)           | 0.72 (18.3)                               |
| .0047                           | DPFF16D47JS-F          | 0.46 (11.7)           | 0.50 (12.7)           | 1.25 (31.8)           | 0.72 (18.3)                               |
| .0056                           | DPFF16D56J-F           | 0.65 (16.5)           | 0.65 (16.5)           | 1.30 (33.0)           | 0.72 (18.3)                               |
| .0068                           | DPFF16D68J-F           | 0.65 (16.5)           | 0.65 (16.5)           | 1.30 (33.0)           | 0.72 (18.3)                               |
| .0068                           | DPFF16D68JS-F          | 0.52 (13.2)           | 0.56 (14.2)           | 1.25 (31.8)           | 0.72 (18.3)                               |
| .0082                           | DPFF16D82J-F           | 0.70 (17.8)           | 0.70 (17.8)           | 1.30 (33.0)           | 0.72 (18.3)                               |
| .0100                           | DPFF16S1J-F            | 0.70 (17.8)           | 0.70 (17.8)           | 1.30 (33.0)           | 0.72 (18.3)                               |
| .0100                           | DPFF16S1JS-F           | 0.61 (15.5)           | 0.65 (16.5)           | 1.25 (31.8)           | 0.72 (18.3)                               |
| .0120                           | DPFF16S12J-F           | 0.75 (19.1)           | 0.75 (19.1)           | 1.70 (43.2)           | 1.095 (27.8)                              |
| .0150                           | DPFF16S15J-F           | 0.75 (19.1)           | 0.75 (19.1)           | 1.70 (43.2)           | 1.095 (27.8)                              |
| .0150                           | DPFF16S15JS-F          | 0.59 (15.0)           | 0.63 (16.0)           | 1.65 (41.9)           | 1.095 (27.8)                              |
| .0180                           | DPFF16S18J-F           | 0.85 (21.6)           | 0.85 (21.6)           | 1.70 (43.2)           | 1.095 (27.8)                              |
| .0220                           | DPFF16S22J-F           | 0.85 (21.6)           | 0.85 (21.6)           | 1.70 (43.2)           | 1.095 (27.8)                              |
| .0270                           | DPFF16S27J-F           | 0.95 (24.1)           | 0.95 (24.1)           | 1.70 (43.2)           | 1.095 (27.8)                              |
| .0330                           | DPFF16S33J-F           | 0.95 (24.1)           | 0.95 (24.1)           | 1.70 (43.2)           | 1.095 (27.8)                              |
| .0330                           | DPFF16S33JS-F          | 0.81 (20.6)           | 0.85 (21.6)           | 1.65 (41.9)           | 1.095 (27.8)                              |

## Type DPFF High AC Current Polypropylene Film Capacitors

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