

# ELECTRONIC FILM CAPACITORS, INC.

Reidville Industrial Park \* 41 Interstate Lane  
WATERBURY, CONNECTICUT 06705

PHONE (203) 755-5629 FAX (203) 755-0659



## POLYPROPYLENE SNUBBER

### SERIES M1206

EFC Series M1206 are polypropylene capacitors with double-sided metallized plates. This series offers the advantages of a self-healing metallized dielectric and the high current/pulsing capabilities (see dv/dt Table) of a metallized capacitor. Packaging options include: wrap and fill (TC, TF), radial lead box (EFR), and radial lead dip (DFR).

### SPECIFICATIONS

#### 1. TEMPERATURE RANGE

- 55 °C to + 85 °C at rated voltage.  
To 105 °C with 25% voltage derating.

#### 2. CAPACITANCE

Measured at 25°C at 1 kHz.

#### 3. DIELECTRIC STRENGTH

At 25 °C, 200% of rated voltage for 10 seconds.

#### 4. INSULATION RESISTANCE

At 25°C with maximum 2 minutes charge at rated voltage or 500 VDC, whichever is less, the minimum IR shall be 200,000 Megohm-Microfarads, but need not exceed 250,000 Megohms.

#### 5. HUMIDITY RESISTANCE

Series M1206 shall meet the requirements of MIL-STD. 202C, Method 103B.

#### 6. DISSIPATION FACTOR

Shall be 0.1% max. when measured at 25°C at 1 kHz.

#### 7. LIFE TEST

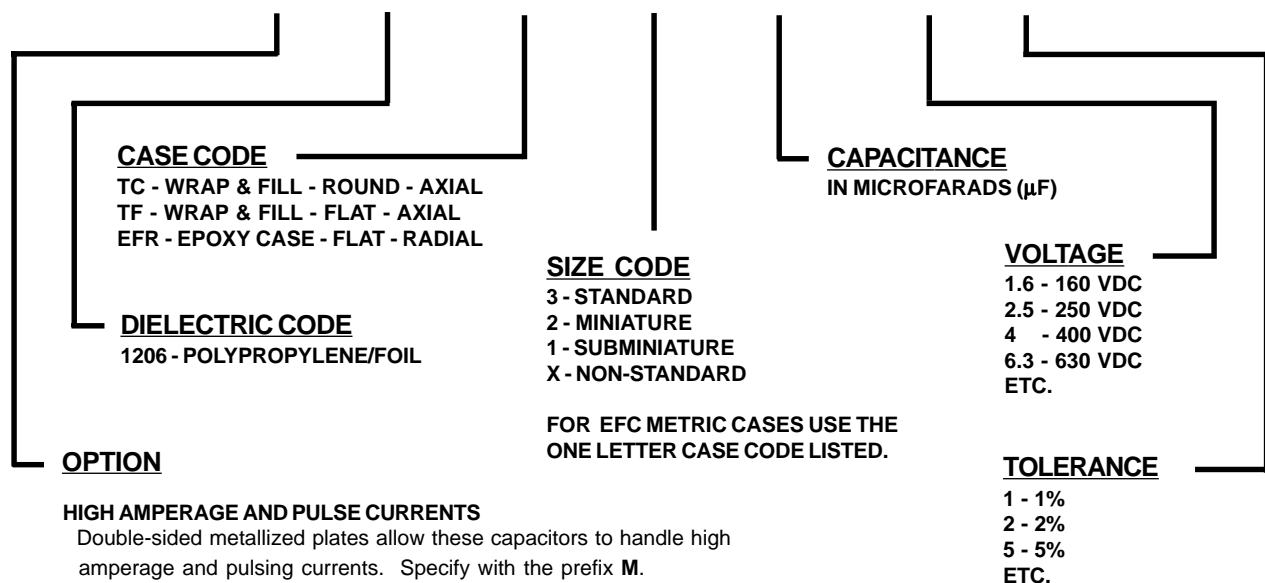
Will withstand the application of 140% rated voltage at +85°C for 250 hours with not more than one failure in 12 permitted.

#### 8. PULSE RISE TIME (dv/dt)

| Rated DC Voltage | Body Length (inches) |           |           |           |
|------------------|----------------------|-----------|-----------|-----------|
|                  | .500-.531            | .709-.750 | .968-1.04 | 1.19-1.26 |
| 160              | 200                  | 110       | 70        | 55        |
| 250              | 400                  | 150       | 130       | 85        |
| 400              | 420                  | 200       | 130       | 100       |
| 630              |                      | 400       | 190       | 120       |

### CATALOG NOMENCLATURE

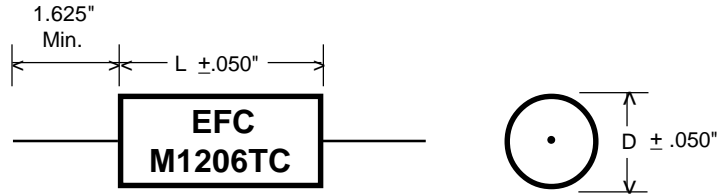
**M 1206 EFR - 3 - .001 - 1 - 5**





**Snubber Capacitors  
Polypropylene**

**Tubular  
Wrap and Fill**



**DIMENSIONS and RATINGS**

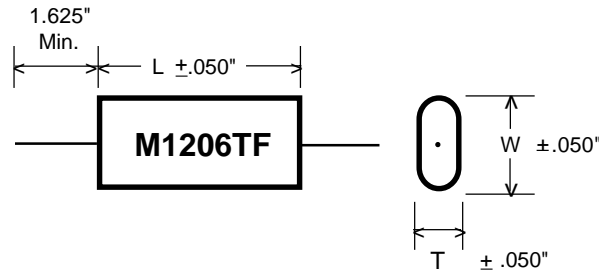
| CAP.<br>μF | 160VDC/100VAC<br>M1206TC-3 |                  | 250VDC/160VAC<br>M1206TC-3 |                  | 400VDC/250VAC<br>M1206TC-3 |                  | 630VDC/300VAC<br>M1206TC-3 |                  |
|------------|----------------------------|------------------|----------------------------|------------------|----------------------------|------------------|----------------------------|------------------|
|            | D<br>inches (mm)           | L<br>inches (mm) | D<br>inches (mm)           | L<br>inches (mm) | D<br>inches (mm)           | L<br>inches (mm) | D<br>inches (mm)           | L<br>inches (mm) |
| 0.001      | 0.180 (4.6)                | 0.531 (13.5)     | 0.180 (4.6)                | 0.531 (13.5)     | 0.180 (4.6)                | 0.531 (13.5)     | 0.180 (4.6)                | 0.531 (13.5)     |
| 0.0012     | 0.180 (4.6)                | 0.531 (13.5)     | 0.180 (4.6)                | 0.531 (13.5)     | 0.180 (4.6)                | 0.531 (13.5)     | 0.180 (4.6)                | 0.531 (13.5)     |
| 0.0015     | 0.180 (4.6)                | 0.531 (13.5)     | 0.180 (4.6)                | 0.531 (13.5)     | 0.180 (4.6)                | 0.531 (13.5)     | 0.180 (4.6)                | 0.531 (13.5)     |
| 0.0022     | 0.180 (4.6)                | 0.531 (13.5)     | 0.180 (4.6)                | 0.531 (13.5)     | 0.180 (4.6)                | 0.531 (13.5)     | 0.180 (4.6)                | 0.531 (13.5)     |
| 0.0027     | 0.180 (4.6)                | 0.531 (13.5)     | 0.180 (4.6)                | 0.531 (13.5)     | 0.180 (4.6)                | 0.531 (13.5)     | 0.180 (4.6)                | 0.531 (13.5)     |
| 0.0033     | 0.180 (4.6)                | 0.531 (13.5)     | 0.180 (4.6)                | 0.531 (13.5)     | 0.180 (4.6)                | 0.531 (13.5)     | 0.180 (4.6)                | 0.531 (13.5)     |
| 0.0039     | 0.180 (4.6)                | 0.531 (13.5)     | 0.180 (4.6)                | 0.531 (13.5)     | 0.180 (4.6)                | 0.531 (13.5)     | 0.180 (4.6)                | 0.531 (13.5)     |
| 0.0047     | 0.180 (4.6)                | 0.531 (13.5)     | 0.180 (4.6)                | 0.531 (13.5)     | 0.180 (4.6)                | 0.531 (13.5)     | 0.180 (4.6)                | 0.531 (13.5)     |
| 0.0056     | 0.180 (4.6)                | 0.531 (13.5)     | 0.180 (4.6)                | 0.531 (13.5)     | 0.180 (4.6)                | 0.531 (13.5)     | 0.190 (4.9)                | 0.531 (13.5)     |
| 0.0068     | 0.180 (4.6)                | 0.531 (13.5)     | 0.180 (4.6)                | 0.531 (13.5)     | 0.180 (4.6)                | 0.531 (13.5)     | 0.200 (5.2)                | 0.531 (13.5)     |
| 0.0082     | 0.180 (4.6)                | 0.531 (13.5)     | 0.180 (4.6)                | 0.531 (13.5)     | 0.180 (4.6)                | 0.531 (13.5)     | 0.220 (5.7)                | 0.531 (13.5)     |
| 0.01       | 0.180 (4.6)                | 0.531 (13.5)     | 0.180 (4.6)                | 0.531 (13.5)     | 0.180 (4.6)                | 0.531 (13.5)     | 0.240 (6.2)                | 0.531 (13.5)     |
| 0.012      | 0.180 (4.6)                | 0.531 (13.5)     | 0.180 (4.6)                | 0.531 (13.5)     | 0.220 (5.6)                | 0.531 (13.5)     | 0.260 (6.7)                | 0.531 (13.5)     |
| 0.015      | 0.180 (4.6)                | 0.531 (13.5)     | 0.180 (4.6)                | 0.531 (13.5)     | 0.240 (6.2)                | 0.531 (13.5)     | 0.290 (6.7)                | 0.531 (13.5)     |
| 0.018      | 0.180 (4.6)                | 0.531 (13.5)     | 0.200 (5.1)                | 0.531 (13.5)     | 0.260 (6.6)                | 0.531 (13.5)     | 0.320 (8.2)                | 0.531 (13.5)     |
| 0.022      | 0.190 (4.9)                | 0.531 (13.5)     | 0.230 (5.8)                | 0.531 (13.5)     | 0.280 (7.1)                | 0.531 (13.5)     | 0.260 (6.8)                | 0.750 (19.1)     |
| 0.027      | 0.220 (5.6)                | 0.531 (13.5)     | 0.240 (6.2)                | 0.531 (13.5)     | 0.310 (8.4)                | 0.531 (13.5)     | 0.290 (7.4)                | 0.750 (19.1)     |
| 0.033      | 0.240 (6.1)                | 0.531 (13.5)     | 0.260 (6.8)                | 0.531 (13.5)     | 0.330 (8.3)                | 0.531 (13.5)     | 0.320 (8.1)                | 0.750 (19.1)     |
| 0.039      | 0.250 (6.5)                | 0.531 (13.5)     | 0.310 (7.8)                | 0.531 (13.5)     | 0.290 (7.4)                | 0.750 (19.1)     | 0.340 (8.8)                | 0.750 (19.1)     |
| 0.047      | 0.280 (7.2)                | 0.531 (13.5)     | 0.330 (8.4)                | 0.531 (13.5)     | 0.310 (7.9)                | 0.750 (19.1)     | 0.370 (9.6)                | 0.750 (19.1)     |
| 0.056      | 0.320 (8.1)                | 0.531 (13.5)     | 0.350 (9.0)                | 0.531 (13.5)     | 0.330 (8.4)                | 0.750 (19.1)     | 0.320 (8.3)                | 0.968 (24.6)     |
| 0.068      | 0.340 (8.7)                | 0.531 (13.5)     | 0.300 (7.7)                | 0.750 (19.1)     | 0.350 (9.0)                | 0.750 (19.1)     | 0.360 (9.1)                | 0.968 (24.6)     |
| 0.082      | 0.290 (7.4)                | 0.750 (19.1)     | 0.320 (8.2)                | 0.750 (19.1)     | 0.320 (8.1)                | 0.968 (24.6)     | 0.390 (9.9)                | 0.968 (24.6)     |
| 0.1        | 0.310 (8.0)                | 0.750 (19.1)     | 0.350 (8.8)                | 0.750 (19.1)     | 0.340 (8.7)                | 0.968 (24.6)     | 0.430 (10.9)               | 0.968 (24.6)     |
| 0.12       | 0.330 (8.5)                | 0.750 (19.1)     | 0.370 (9.5)                | 0.750 (19.1)     | 0.370 (9.4)                | 0.968 (24.6)     | 0.470 (11.9)               | 0.968 (24.6)     |
| 0.15       | 0.360 (9.3)                | 0.750 (19.1)     | 0.350 (9.0)                | 0.968 (24.6)     | 0.410 (10.6)               | 0.968 (24.6)     | 0.520 (13.2)               | 0.968 (24.6)     |
| 0.18       | 0.390 (10.0)               | 0.750 (19.1)     | 0.380 (9.6)                | 0.968 (24.6)     | 0.450 (11.4)               | 0.968 (24.6)     | 0.500 (12.8)               | 1.190 (30.3)     |
| 0.22       | 0.350 (9.0)                | 0.968 (24.6)     | 0.400 (10.3)               | 0.968 (24.6)     | 0.480 (12.4)               | 0.968 (24.6)     | 0.550 (14.1)               | 1.190 (30.3)     |
| 0.27       | 0.380 (9.7)                | 0.968 (24.6)     | 0.440 (11.2)               | 0.968 (24.6)     | 0.530 (13.5)               | 1.190 (30.3)     | 0.610 (15.6)               | 1.190 (30.3)     |
| 0.33       | 0.410 (10.6)               | 0.968 (24.6)     | 0.480 (12.1)               | 0.968 (24.6)     | 0.520 (13.2)               | 1.190 (30.3)     |                            |                  |
| 0.39       | 0.440 (11.3)               | 0.968 (24.6)     | 0.510 (13.0)               | 1.190 (30.3)     | 0.580 (14.8)               | 1.190 (30.3)     |                            |                  |
| 0.47       | 0.490 (12.6)               | 0.968 (24.6)     | 0.550 (14.1)               | 1.190 (30.3)     | 0.600 (15.4)               | 1.190 (30.3)     |                            |                  |
| 0.56       | 0.530 (13.6)               | 0.968 (24.6)     | 0.540 (13.7)               | 1.190 (30.3)     | 0.650 (16.6)               | 1.190 (30.3)     |                            |                  |
| 0.68       | 0.520 (13.2)               | 1.190 (30.3)     | 0.580 (14.9)               | 1.190 (30.3)     |                            |                  |                            |                  |
| 0.82       | 0.560 (14.3)               | 1.190 (30.3)     | 0.630 (16.2)               | 1.190 (30.3)     |                            |                  |                            |                  |
| 1.00       | 0.610 (15.7)               | 1.190 (30.3)     |                            |                  |                            |                  |                            |                  |
| 1.20       | 0.670 (17.0)               | 1.190 (30.3)     |                            |                  |                            |                  |                            |                  |

EFC will manufacture to any non-standard value and size. Please consult factory for special requirements.



**Snubber Capacitors  
Polypropylene**

**Oval  
Wrap and Fill**



**DIMENSIONS and RATINGS**

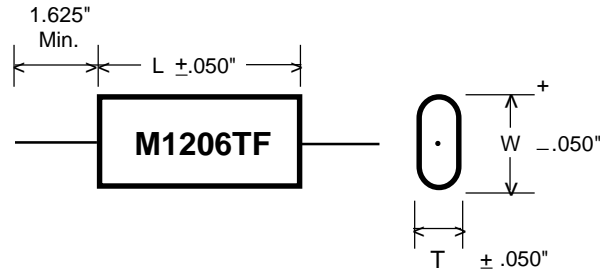
| CAP.<br>μF | M1206TF-3 160VDC/100VAC |                  |                  | M1206TF-3 250VDC/160VAC |                  |                  |
|------------|-------------------------|------------------|------------------|-------------------------|------------------|------------------|
|            | T<br>inches (mm)        | H<br>inches (mm) | L<br>inches (mm) | T<br>inches (mm)        | H<br>inches (mm) | L<br>inches (mm) |
| 0.001      | 0.120 (3.1)             | 0.220 (5.6)      | 0.531 (13.5)     | 0.120 (3.1)             | 0.220 (5.6)      | 0.531 (13.5)     |
| 0.0012     | 0.120 (3.1)             | 0.220 (5.6)      | 0.531 (13.5)     | 0.120 (3.1)             | 0.220 (5.6)      | 0.531 (13.5)     |
| 0.0015     | 0.120 (3.1)             | 0.220 (5.6)      | 0.531 (13.5)     | 0.120 (3.1)             | 0.220 (5.6)      | 0.531 (13.5)     |
| 0.0022     | 0.120 (3.1)             | 0.220 (5.6)      | 0.531 (13.5)     | 0.120 (3.1)             | 0.220 (5.6)      | 0.531 (13.5)     |
| 0.0027     | 0.120 (3.1)             | 0.220 (5.6)      | 0.531 (13.5)     | 0.120 (3.1)             | 0.220 (5.6)      | 0.531 (13.5)     |
| 0.0033     | 0.120 (3.1)             | 0.220 (5.6)      | 0.531 (13.5)     | 0.120 (3.1)             | 0.220 (5.6)      | 0.531 (13.5)     |
| 0.0039     | 0.120 (3.1)             | 0.220 (5.6)      | 0.531 (13.5)     | 0.120 (3.1)             | 0.220 (5.6)      | 0.531 (13.5)     |
| 0.0047     | 0.120 (3.1)             | 0.220 (5.6)      | 0.531 (13.5)     | 0.120 (3.1)             | 0.220 (5.6)      | 0.531 (13.5)     |
| 0.0056     | 0.120 (3.1)             | 0.220 (5.6)      | 0.531 (13.5)     | 0.120 (3.1)             | 0.220 (5.6)      | 0.531 (13.5)     |
| 0.0068     | 0.120 (3.1)             | 0.220 (5.6)      | 0.531 (13.5)     | 0.120 (3.1)             | 0.220 (5.6)      | 0.531 (13.5)     |
| 0.0082     | 0.120 (3.1)             | 0.220 (5.6)      | 0.531 (13.5)     | 0.120 (3.1)             | 0.220 (5.6)      | 0.531 (13.5)     |
| 0.01       | 0.120 (3.1)             | 0.220 (5.6)      | 0.531 (13.5)     | 0.120 (3.1)             | 0.220 (5.6)      | 0.531 (13.5)     |
| 0.012      | 0.120 (3.1)             | 0.220 (5.6)      | 0.531 (13.5)     | 0.120 (3.1)             | 0.220 (5.6)      | 0.531 (13.5)     |
| 0.015      | 0.120 (3.1)             | 0.220 (5.6)      | 0.531 (13.5)     | 0.120 (3.1)             | 0.220 (5.6)      | 0.531 (13.5)     |
| 0.018      | 0.120 (3.1)             | 0.220 (5.6)      | 0.531 (13.5)     | 0.120 (3.1)             | 0.250 (6.4)      | 0.531 (13.5)     |
| 0.022      | 0.120 (3.1)             | 0.240 (6.1)      | 0.531 (13.5)     | 0.120 (3.1)             | 0.290 (7.5)      | 0.531 (13.5)     |
| 0.027      | 0.120 (3.1)             | 0.280 (7.2)      | 0.531 (13.5)     | 0.140 (3.6)             | 0.310 (7.9)      | 0.531 (13.5)     |
| 0.033      | 0.130 (3.3)             | 0.300 (7.7)      | 0.531 (13.5)     | 0.150 (3.9)             | 0.320 (8.3)      | 0.531 (13.5)     |
| 0.039      | 0.150 (3.8)             | 0.310 (8.0)      | 0.531 (13.5)     | 0.150 (3.9)             | 0.400 (10.1)     | 0.531 (13.5)     |
| 0.047      | 0.160 (4.0)             | 0.350 (9.0)      | 0.531 (13.5)     | 0.170 (4.3)             | 0.420 (10.6)     | 0.531 (13.5)     |
| 0.056      | 0.170 (4.3)             | 0.410 (10.3)     | 0.531 (13.5)     | 0.190 (4.9)             | 0.440 (11.2)     | 0.531 (13.5)     |
| 0.068      | 0.180 (4.6)             | 0.430 (11.0)     | 0.531 (13.5)     | 0.140 (3.6)             | 0.390 (9.9)      | 0.750 (19.1)     |
| 0.082      | 0.130 (3.3)             | 0.380 (9.7)      | 0.750 (19.1)     | 0.160 (4.1)             | 0.410 (10.5)     | 0.750 (19.1)     |
| 0.1        | 0.150 (3.9)             | 0.400 (10.2)     | 0.750 (19.1)     | 0.180 (4.7)             | 0.430 (11.1)     | 0.750 (19.1)     |
| 0.12       | 0.170 (4.4)             | 0.420 (10.8)     | 0.750 (19.1)     | 0.210 (5.4)             | 0.460 (11.7)     | 0.750 (19.1)     |
| 0.15       | 0.200 (5.2)             | 0.450 (11.6)     | 0.750 (19.1)     | 0.160 (4.1)             | 0.460 (11.7)     | 0.968 (24.6)     |
| 0.18       | 0.230 (5.9)             | 0.480 (11.3)     | 0.750 (19.1)     | 0.180 (4.7)             | 0.480 (12.3)     | 0.968 (24.6)     |
| 0.22       | 0.190 (4.9)             | 0.440 (11.2)     | 0.968 (24.6)     | 0.210 (5.5)             | 0.510 (13.0)     | 0.968 (24.6)     |
| 0.27       | 0.220 (5.6)             | 0.470 (12.0)     | 0.968 (24.6)     | 0.250 (6.3)             | 0.550 (13.9)     | 0.968 (24.6)     |
| 0.33       | 0.250 (6.5)             | 0.500 (12.8)     | 0.968 (24.6)     | 0.280 (7.3)             | 0.580 (14.9)     | 0.968 (24.6)     |
| 0.39       | 0.280 (7.2)             | 0.530 (13.6)     | 0.968 (24.6)     | 0.320 (8.2)             | 0.620 (15.7)     | 1.190 (30.3)     |
| 0.47       | 0.300 (7.7)             | 0.600 (15.3)     | 0.968 (24.6)     | 0.360 (9.2)             | 0.660 (16.8)     | 1.190 (30.3)     |
| 0.56       | 0.340 (8.7)             | 0.640 (16.3)     | 0.968 (24.6)     | 0.340 (8.8)             | 0.640 (16.4)     | 1.190 (30.3)     |
| 0.68       | 0.330 (8.3)             | 0.630 (15.9)     | 1.190 (30.3)     | 0.390 (10.0)            | 0.690 (17.6)     | 1.190 (30.3)     |
| 0.82       | 0.370 (9.5)             | 0.670 (17.0)     | 1.190 (30.3)     | 0.440 (11.3)            | 0.740 (18.9)     | 1.190 (30.3)     |
| 1.00       | 0.420 (10.8)            | 0.720 (18.4)     | 1.190 (30.3)     |                         |                  |                  |
| 1.20       | 0.480 (12.1)            | 0.770 (19.7)     | 1.190 (30.3)     |                         |                  |                  |

EFC will manufacture to any non-standard value and size. Please consult factory for special requirements.



**Snubber Capacitors  
Polypropylene**

**Oval  
Wrap and Fill**



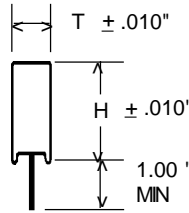
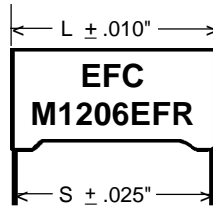
**DIMENSIONS and RATINGS**

| CAP.<br>μF | M1206TF-3 400VDC/250VAC |                  |                  | M1206TF-3 630VDC/300VAC |                  |                  |
|------------|-------------------------|------------------|------------------|-------------------------|------------------|------------------|
|            | T<br>inches (mm)        | H<br>inches (mm) | L<br>inches (mm) | T<br>inches (mm)        | H<br>inches (mm) | L<br>inches (mm) |
| 0.001      | 0.120 (3.1)             | 0.220 (5.6)      | 0.531 (13.5)     | 0.120 (3.1)             | 0.220 (5.6)      | 0.531 (13.5)     |
| 0.0012     | 0.120 (3.1)             | 0.220 (5.6)      | 0.531 (13.5)     | 0.120 (3.1)             | 0.220 (5.6)      | 0.531 (13.5)     |
| 0.0015     | 0.120 (3.1)             | 0.220 (5.6)      | 0.531 (13.5)     | 0.120 (3.1)             | 0.220 (5.6)      | 0.531 (13.5)     |
| 0.0022     | 0.120 (3.1)             | 0.220 (5.6)      | 0.531 (13.5)     | 0.120 (3.1)             | 0.220 (5.6)      | 0.531 (13.5)     |
| 0.0027     | 0.120 (3.1)             | 0.220 (5.6)      | 0.531 (13.5)     | 0.120 (3.1)             | 0.220 (5.6)      | 0.531 (13.5)     |
| 0.0033     | 0.120 (3.1)             | 0.220 (5.6)      | 0.531 (13.5)     | 0.120 (3.1)             | 0.220 (5.6)      | 0.531 (13.5)     |
| 0.0039     | 0.120 (3.1)             | 0.220 (5.6)      | 0.531 (13.5)     | 0.120 (3.1)             | 0.220 (5.6)      | 0.531 (13.5)     |
| 0.0047     | 0.120 (3.1)             | 0.220 (5.6)      | 0.531 (13.5)     | 0.120 (3.1)             | 0.220 (5.6)      | 0.531 (13.5)     |
| 0.0056     | 0.120 (3.1)             | 0.220 (5.6)      | 0.531 (13.5)     | 0.120 (3.1)             | 0.250 (6.4)      | 0.531 (13.5)     |
| 0.0068     | 0.120 (3.1)             | 0.220 (5.6)      | 0.531 (13.5)     | 0.120 (3.1)             | 0.260 (6.5)      | 0.531 (13.5)     |
| 0.0082     | 0.120 (3.1)             | 0.220 (5.6)      | 0.531 (13.5)     | 0.140 (3.6)             | 0.270 (7.0)      | 0.531 (13.5)     |
| 0.01       | 0.120 (3.1)             | 0.220 (5.6)      | 0.531 (13.5)     | 0.160 (4.1)             | 0.290 (7.5)      | 0.531 (13.5)     |
| 0.012      | 0.120 (3.1)             | 0.320 (8.2)      | 0.531 (13.5)     | 0.180 (4.6)             | 0.310 (8.0)      | 0.531 (13.5)     |
| 0.015      | 0.120 (3.1)             | 0.320 (8.2)      | 0.531 (13.5)     | 0.210 (5.5)             | 0.340 (8.8)      | 0.531 (13.5)     |
| 0.018      | 0.130 (3.4)             | 0.330 (8.5)      | 0.531 (13.5)     | 0.240 (6.1)             | 0.370 (9.4)      | 0.531 (13.5)     |
| 0.022      | 0.150 (3.9)             | 0.350 (9.0)      | 0.531 (13.5)     | 0.180 (4.6)             | 0.320 (8.1)      | 0.750 (19.1)     |
| 0.027      | 0.160 (4.1)             | 0.410 (10.4)     | 0.531 (13.5)     | 0.180 (4.7)             | 0.340 (8.7)      | 0.750 (19.1)     |
| 0.033      | 0.200 (5.0)             | 0.400 (10.1)     | 0.531 (13.5)     | 0.230 (6.0)             | 0.360 (9.3)      | 0.750 (19.1)     |
| 0.039      | 0.130 (3.3)             | 0.380 (9.6)      | 0.750 (19.1)     | 0.260 (6.6)             | 0.390 (9.9)      | 0.750 (19.1)     |
| 0.047      | 0.150 (3.9)             | 0.400 (10.1)     | 0.750 (19.1)     | 0.290 (7.4)             | 0.420 (10.7)     | 0.750 (19.1)     |
| 0.056      | 0.170 (4.3)             | 0.420 (10.6)     | 0.750 (19.1)     | 0.240 (6.1)             | 0.370 (9.5)      | 0.968 (24.6)     |
| 0.068      | 0.190 (4.9)             | 0.440 (11.3)     | 0.750 (19.1)     | 0.270 (6.9)             | 0.400 (10.2)     | 0.968 (24.6)     |
| 0.082      | 0.160 (4.0)             | 0.410 (11.3)     | 0.968 (24.6)     | 0.300 (7.8)             | 0.430 (11.1)     | 0.968 (24.6)     |
| 0.1        | 0.180 (4.6)             | 0.430 (11.0)     | 0.968 (24.6)     | 0.340 (8.7)             | 0.470 (12.0)     | 0.968 (24.6)     |
| 0.12       | 0.210 (5.3)             | 0.460 (11.6)     | 0.968 (24.6)     | 0.380 (9.7)             | 0.510 (13.0)     | 0.968 (24.6)     |
| 0.15       | 0.220 (5.7)             | 0.520 (13.3)     | 0.968 (24.6)     | 0.430 (11.1)            | 0.560 (14.4)     | 0.968 (24.6)     |
| 0.18       | 0.250 (6.5)             | 0.550 (14.1)     | 0.968 (24.6)     | 0.420 (10.6)            | 0.530 (13.9)     | 1.190 (30.3)     |
| 0.22       | 0.290 (7.5)             | 0.590 (15.1)     | 0.968 (24.6)     | 0.470 (11.9)            | 0.600 (15.2)     | 1.190 (30.3)     |
| 0.27       | 0.340 (8.6)             | 0.640 (16.2)     | 1.190 (30.3)     | 0.530 (13.4)            | 0.660 (16.7)     | 1.190 (30.3)     |
| 0.33       | 0.330 (8.3)             | 0.620 (15.9)     | 1.190 (30.3)     |                         |                  |                  |
| 0.39       | 0.330 (8.3)             | 0.720 (18.4)     | 1.190 (30.3)     |                         |                  |                  |
| 0.47       | 0.410 (10.5)            | 0.710 (18.1)     | 1.190 (30.3)     |                         |                  |                  |
| 0.56       | 0.460 (11.8)            | 0.760 (19.4)     | 1.190 (30.3)     |                         |                  |                  |
| 0.68       |                         |                  |                  |                         |                  |                  |
| 0.82       |                         |                  |                  |                         |                  |                  |
| 1.00       |                         |                  |                  |                         |                  |                  |
| 1.20       |                         |                  |                  |                         |                  |                  |

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**Snubber Capacitors  
Polypropylene**



Lead Specs.  
Tinned Copperweld

C through E cases: 22 AWG  
F through Q cases: 20 AWG

**DIMENSIONS and RATINGS**

| Cap. $\mu$ F | 160/100<br>VDC/VAC | 250/160<br>VDC/VAC | 400/250<br>VDC/VAC | 630/300<br>VDC/VAC | CASE<br>SIZE | L $\frac{\text{mm}}{\text{in.}}$ | T $\frac{\text{mm}}{\text{in.}}$ | H $\frac{\text{mm}}{\text{in.}}$ | S $\frac{\text{mm}}{\text{in.}}$ |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| 0.001        | C                  | C                  | C                  | C                  | C            | $\frac{13}{.512}$                | $\frac{4}{.157}$                 | $\frac{9}{.354}$                 | $\frac{10}{.394}$                |
| 0.0012       | C                  | C                  | C                  | C                  | D            | $\frac{13}{.512}$                | $\frac{5}{.197}$                 | $\frac{11}{.433}$                | $\frac{10}{.394}$                |
| 0.0015       | C                  | C                  | C                  | C                  | E            | $\frac{13}{.512}$                | $\frac{6}{.236}$                 | $\frac{12}{.472}$                | $\frac{10}{.394}$                |
| 0.0022       | C                  | C                  | C                  | C                  | F            | $\frac{18}{.709}$                | $\frac{5}{.197}$                 | $\frac{11}{.433}$                | $\frac{15}{.591}$                |
| 0.0027       | C                  | C                  | C                  | C                  | G            | $\frac{18}{.709}$                | $\frac{6}{.236}$                 | $\frac{12}{.472}$                | $\frac{15}{.591}$                |
| 0.0033       | C                  | C                  | C                  | C                  | H            | $\frac{18}{.709}$                | $\frac{7.5}{.295}$               | $\frac{13.5}{.531}$              | $\frac{15}{.591}$                |
| 0.0039       | C                  | C                  | C                  | C                  | L            | $\frac{26.5}{1.04}$              | $\frac{6}{.236}$                 | $\frac{15}{.591}$                | $\frac{22.5}{.886}$              |
| 0.0047       | C                  | C                  | C                  | C                  | M            | $\frac{26.5}{1.04}$              | $\frac{7}{.276}$                 | $\frac{16}{.630}$                | $\frac{22.5}{.886}$              |
| 0.0056       | C                  | C                  | C                  | C                  | N            | $\frac{26.5}{1.04}$              | $\frac{8.5}{.335}$               | $\frac{16.3}{.642}$              | $\frac{22.5}{.886}$              |
| 0.0068       | C                  | C                  | C                  | C                  | O            | $\frac{26.5}{1.04}$              | $\frac{10}{.394}$                | $\frac{19}{.748}$                | $\frac{22.5}{.886}$              |
| 0.0082       | C                  | C                  | C                  | D                  | P            | $\frac{32}{1.26}$                | $\frac{11}{.433}$                | $\frac{20}{.787}$                | $\frac{27.5}{1.08}$              |
| 0.01         | C                  | C                  | C                  | D                  | Q            | $\frac{32}{1.26}$                | $\frac{13}{.512}$                | $\frac{22}{.866}$                | $\frac{27.5}{1.08}$              |
| 0.012        | C                  | C                  | C                  | D                  |              |                                  |                                  |                                  |                                  |
| 0.015        | C                  | C                  | C                  | E                  |              |                                  |                                  |                                  |                                  |
| 0.018        | C                  | C                  | D                  | E                  |              |                                  |                                  |                                  |                                  |
| 0.022        | C                  | C                  | D                  | F                  |              |                                  |                                  |                                  |                                  |
| 0.027        | C                  | D                  | D                  | F                  |              |                                  |                                  |                                  |                                  |
| 0.033        | C                  | D                  | E                  | G                  |              |                                  |                                  |                                  |                                  |
| 0.039        | D                  | D                  | F                  | H                  |              |                                  |                                  |                                  |                                  |
| 0.047        | D                  | E                  | G                  | H                  |              |                                  |                                  |                                  |                                  |
| 0.056        | E                  | E                  | G                  | L                  |              |                                  |                                  |                                  |                                  |
| 0.068        | E                  | F                  | G                  | L                  |              |                                  |                                  |                                  |                                  |
| 0.082        | F                  | G                  | L                  | M                  |              |                                  |                                  |                                  |                                  |
| 0.1          | F                  | G                  | L                  | N                  |              |                                  |                                  |                                  |                                  |
| 0.12         | G                  | H                  | M                  | N                  |              |                                  |                                  |                                  |                                  |
| 0.15         | G                  | L                  | M                  | O                  |              |                                  |                                  |                                  |                                  |
| 0.18         | H                  | L                  | N                  | P                  |              |                                  |                                  |                                  |                                  |
| 0.22         | L                  | L                  | N                  | P                  |              |                                  |                                  |                                  |                                  |
| 0.27         | M                  | M                  | O                  | P                  |              |                                  |                                  |                                  |                                  |
| 0.33         | N                  | N                  | P                  | Q                  |              |                                  |                                  |                                  |                                  |
| 0.39         | N                  | O                  | P                  |                    |              |                                  |                                  |                                  |                                  |
| 0.47         | O                  | O                  | Q                  |                    |              |                                  |                                  |                                  |                                  |
| 0.56         | O                  | P                  | Q                  |                    |              |                                  |                                  |                                  |                                  |
| 0.68         | P                  | P                  |                    |                    |              |                                  |                                  |                                  |                                  |
| 0.82         | P                  | Q                  |                    |                    |              |                                  |                                  |                                  |                                  |
| 1.00         | Q                  |                    |                    |                    |              |                                  |                                  |                                  |                                  |
| 1.20         | Q                  |                    |                    |                    |              |                                  |                                  |                                  |                                  |

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