

# Series 1306 Polyester and Foil

**Features:** Flame retardant to UL94, cost effective, moderate temperature choice, small size, dv/dt ratings in excess of 1000 V/us.

**Applications:** Recommended for DC applications where blocking capacitance stability is not a critical factor, medical electronics, telecommunications.

**Packaging:** Axial wrap and fill (TF,TC), radial lead box (EFR, DFR), axial lead epoxy tube (EC).

## Specifications

### 1) Temperature Range

-55°C to 85°C at rated voltage to 125°C with 50% voltage derating.

### 2) Capacitance

0.001µf to 10µF

### 3) Dielectric Strength

At 25°C, 200% of rated voltage when applied terminal to terminal for one minute through a current limiting resistance.

### 4) Insulation Resistance

At 25°C after 2 minutes charge time at rated voltage or 500 VDC, whichever is less, the minimum IR shall be 50,000 Megohm-Microfarads, but need not exceed 100,000 Megohms.

### 5) Humidity Resistance

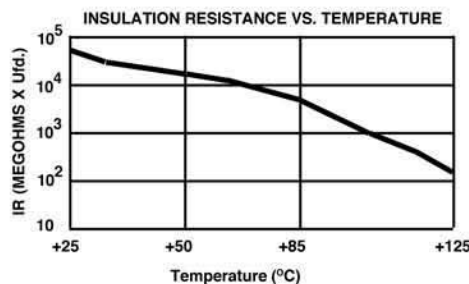
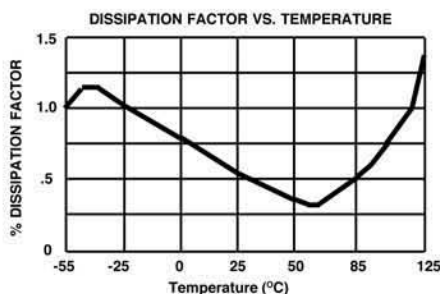
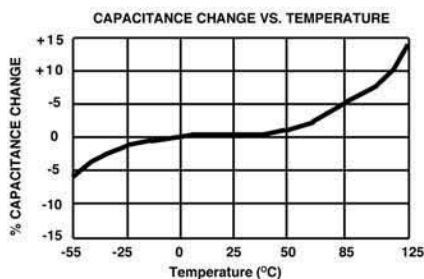
Series 1306 shall meet the requirements of MIL-STD. 202, Method 103B.

### 6) Dissipation Factor

Shall be 0.6% max. when measured at 1 KHz and 25°C.

### 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.



## Typical Temperature Curves Polyester and Foil

# Catalog Nomenclature

**\* 1 3 0 6 E F R - 3 - . 0 0 1 - 1 - 5**

**Case Code:**

TC - Wrap & Fill - Round - Axial  
 TF - Wrap & Fill - Flat - Axial  
 EC - Epoxy Case - Round - Axial  
 EFR - Epoxy Case - Flat - Radial  
 DFR - Dipped Construction - Flat - Radial  
 HS - Hermetically Sealed

**Dielectric Code:**

1206 - Polypropylene/Foil  
 1213 - Metallized Polypropylene  
 1306 - Polyester/Foil  
 1313 - Metallized Polyester  
 1613 - Metallized Polycarbonate  
 1906 - Polystyrene/Foil  
 2113 - Metallized Polyphenylene Sulfide

**Size Code:**

3 - Standard  
 2 - Miniature (1313DFR Series Only)  
 X - Non-standard  
 Or one letter case code

**Capacitance:**

In microfarads ( $\mu$ F)

**Voltage:**

.35 - 35 VDC  
 0 - 50 VDC  
 1 - 100 VDC  
 2 - 200 VDC  
 3 - 300 VDC  
 4 - 400 VDC  
 10 - 1000 VDC  
 1.6K - 1600VDC  
 Etc.

**Tolerance:**

1 - 1%  
 2 - 2%  
 5 - 5%  
 Etc.

**\* Options**

The following options are available from EFC by specifying the appropriate prefix.

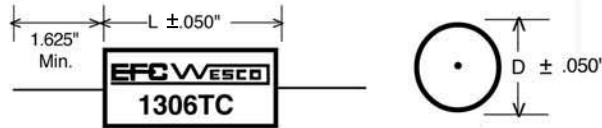
A - Aluminum foil electrodes  
 T - Tin foil electrodes  
 HV - High voltage DC applications  
 AC - AC voltage rated applications  
 MF - Metallized and foil hybrid for maximum pulse current applications  
 M - Dual metallized design for pulse current applications  
 SP - Low ESR, high RMS current applications  
 PC - Direct mount terminals for high current filter applications  
 FT - Feed thru filter applications  
 RC - Resistor capacitor suppressors



# 1306TC Tubular Wrap & Fill

# Polyester and Foil Capacitors

**Lead Spec.**  
Tinned Copperweld  
Under .250D = 24 AWG  
.250 - .440D = 22AWG  
Above .440D = 20 AWG



## Dimensions and Ratings

Cap.		50 VDC	
µF	Part #	D	L
.001	1306TC-3-.001-0-*	.180	.406
.0012	1306TC-3-.0012-0-*	.180	.406
.0015	1306TC-3-.0015-0-*	.180	.406
.0022	1306TC-3-.0022-0-*	.180	.406
.0027	1306TC-3-.0027-0-*	.180	.406
.0039	1306TC-3-.0039-0-*	.180	.406
.0047	1306TC-3-.0047-0-*	.180	.406
.0056	1306TC-3-.0056-0-*	.180	.406
.0068	1306TC-3-.0068-0-*	.180	.406
.0082	1306TC-3-.0082-0-*	.180	.406
.01	1306TC-3-.01-0-*	.180	.406
.012	1306TC-3-.012-0-*	.180	.406
.015	1306TC-3-.015-0-*	.180	.406
.018	1306TC-3-.018-0-*	.200	.406
.022	1306TC-3-.022-0-*	.210	.406
.027	1306TC-3-.027-0-*	.230	.406
.033	1306TC-3-.033-0-*	.180	.531
.039	1306TC-3-.039-0-*	.190	.531
.047	1306TC-3-.047-0-*	.200	.531
.056	1306TC-3-.056-0-*	.220	.531
.068	1306TC-3-.068-0-*	.200	.656
.082	1306TC-3-.082-0-*	.210	.656
.1	1306TC-3-.1-0-*	.230	.656
.12	1306TC-3-.12-0-*	.250	.656
.15	1306TC-3-.15-0-*	.280	.656
.18	1306TC-3-.18-0-*	.270	.781
.22	1306TC-3-.22-0-*	.300	.781
.27	1306TC-3-.27-0-*	.330	.781
.33	1306TC-3-.33-0-*	.320	.906
.39	1306TC-3-.39-0-*	.350	.906
.47	1306TC-3-.47-0-*	.380	.906
.56	1306TC-3-.56-0-*	.360	1.190
.68	1306TC-3-.68-0-*	.390	1.190
.82	1306TC-3-.82-0-*	.420	1.190
1.0	1306TC-3-1.0-0-*	.460	1.190
1.25	1306TC-3-1.25-0-*	.520	1.190

Cap.		100 VDC	
µF	Part #	D	L
.001	1306TC-3-.001-1-*	.180	.406
.0012	1306TC-3-.0012-1-*	.180	.406
.0015	1306TC-3-.0015-1-*	.180	.406
.0022	1306TC-3-.0022-1-*	.180	.406
.0027	1306TC-3-.0027-1-*	.180	.406
.0039	1306TC-3-.0039-1-*	.180	.406
.0047	1306TC-3-.0047-1-*	.180	.406
.0056	1306TC-3-.0056-1-*	.180	.406
.0068	1306TC-3-.0068-1-*	.180	.406
.0082	1306TC-3-.0082-1-*	.180	.406
.01	1306TC-3-.01-1-*	.180	.406
.012	1306TC-3-.012-1-*	.200	.406
.015	1306TC-3-.015-1-*	.220	.406
.018	1306TC-3-.018-1-*	.240	.406
.022	1306TC-3-.022-1-*	.180	.531
.027	1306TC-3-.027-1-*	.200	.531
.033	1306TC-3-.033-1-*	.210	.531
.039	1306TC-3-.039-1-*	.230	.531
.047	1306TC-3-.047-1-*	.250	.531
.056	1306TC-3-.056-1-*	.270	.531
.068	1306TC-3-.068-1-*	.240	.656
.082	1306TC-3-.082-1-*	.270	.656
.1	1306TC-3-.1-1-*	.290	.656
.12	1306TC-3-.12-1-*	.320	.656
.15	1306TC-3-.15-1-*	.350	.656
.18	1306TC-3-.18-1-*	.390	.656
.22	1306TC-3-.22-1-*	.330	.906
.27	1306TC-3-.27-1-*	.370	.906
.33	1306TC-3-.33-1-*	.400	.906
.39	1306TC-3-.39-1-*	.440	.906
.47	1306TC-3-.47-1-*	.480	.906
.56	1306TC-3-.56-1-*	.440	1.190
.68	1306TC-3-.68-1-*	.490	1.190
.82	1306TC-3-.82-1-*	.530	1.190
1.0	1306TC-3-1.0-1-*	.580	1.190
1.25	1306TC-3-1.25-1-*	.650	1.190
1.5	1306TC-3-1.5-1-*	.630	1.440
2.0	1306TC-3-2.0-1-*	.720	1.440
3.0	1306TC-3-3.0-1-*	.800	1.690
4.0	1306TC-3-4.0-1-*	.920	1.690
5.0	1306TC-3-5.0-1-*	1.020	1.940

Cap.		160 VDC	
µF	Part #	D	L
.001	1306TC-3-.001-1.6-*	.180	.406
.0012	1306TC-3-.0012-1.6-*	.180	.406
.0015	1306TC-3-.0015-1.6-*	.180	.406
.0022	1306TC-3-.0022-1.6-*	.180	.406
.0027	1306TC-3-.0027-1.6-*	.180	.406
.0039	1306TC-3-.0039-1.6-*	.180	.406
.0047	1306TC-3-.0047-1.6-*	.180	.406
.0056	1306TC-3-.0056-1.6-*	.180	.406
.0068	1306TC-3-.0068-1.6-*	.180	.406
.0082	1306TC-3-.0082-1.6-*	.190	.406
.01	1306TC-3-.01-1.6-*	.210	.406
.012	1306TC-3-.012-1.6-*	.220	.406
.015	1306TC-3-.015-1.6-*	.170	.531
.018	1306TC-3-.018-1.6-*	.180	.531
.022	1306TC-3-.022-1.6-*	.200	.531
.027	1306TC-3-.027-1.6-*	.220	.531
.033	1306TC-3-.033-1.6-*	.240	.531
.039	1306TC-3-.039-1.6-*	.260	.531
.047	1306TC-3-.047-1.6-*	.290	.531
.056	1306TC-3-.056-1.6-*	.250	.656
.068	1306TC-3-.068-1.6-*	.280	.656
.082	1306TC-3-.082-1.6-*	.300	.656
.1	1306TC-3-.1-1.6-*	.330	.656
.12	1306TC-3-.12-1.6-*	.360	.656
.15	1306TC-3-.15-1.6-*	.350	.781
.18	1306TC-3-.18-1.6-*	.380	.781
.22	1306TC-3-.22-1.6-*	.420	.781
.27	1306TC-3-.27-1.6-*	.410	.906
.33	1306TC-3-.33-1.6-*	.460	.906
.39	1306TC-3-.39-1.6-*	.500	.906
.47	1306TC-3-.47-1.6-*	.460	1.190
.56	1306TC-3-.56-1.6-*	.500	1.190
.68	1306TC-3-.68-1.6-*	.550	1.190
.82	1306TC-3-.82-1.6-*	.600	1.190
1.0	1306TC-3-1.0-1.6-*	.660	1.190
1.25	1306TC-3-1.25-1.6-*	.650	1.440
1.5	1306TC-3-1.5-1.6-*	.710	1.440
2.0	1306TC-3-2.0-1.6-*	.750	1.690
3.0	1306TC-3-3.0-1.6-*	.910	1.690
4.0	1306TC-3-4.0-1.6-*	1.050	1.690
5.0	1306TC-3-5.0-1.6-*	1.070	1.940
6.0	1306TC-3-6.0-1.6-*	1.170	1.940
8.0	1306TC-3-8.0-1.6-*	1.260	2.250

\* - Please insert appropriate tolerance code

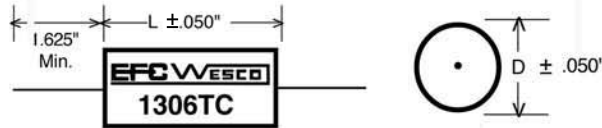


Please consult factory for special requirements, including non-standard values and sizes

# 1306TC Tubular Wrap & Fill

# Polyester and Foil Capacitors

Lead Spec.  
Tinned Copperweld  
Under .250D = 24 AWG  
.250 - .440D = 22AWG  
Above .440D = 20 AWG



## Dimensions and Ratings

Cap.	200 VDC		
µF	Part #	D	L
.001	1306TC-3-.001-2-*	.180	.406
.0012	1306TC-3-.0012-2-*	.180	.406
.0015	1306TC-3-.0015-2-*	.180	.406
.0022	1306TC-3-.0022-2-*	.180	.406
.0027	1306TC-3-.0027-2-*	.180	.406
.0039	1306TC-3-.0039-2-*	.180	.406
.0047	1306TC-3-.0047-2-*	.180	.406
.0056	1306TC-3-.0056-2-*	.190	.406
.0068	1306TC-3-.0068-2-*	.210	.406
.0082	1306TC-3-.0082-2-*	.230	.406
.01	1306TC-3-.01-2-*	.250	.406
.012	1306TC-3-.012-2-*	.180	.531
.015	1306TC-3-.015-2-*	.200	.531
.018	1306TC-3-.018-2-*	.220	.531
.022	1306TC-3-.022-2-*	.240	.531
.027	1306TC-3-.027-2-*	.260	.531
.033	1306TC-3-.033-2-*	.290	.531
.039	1306TC-3-.039-2-*	.250	.656
.047	1306TC-3-.047-2-*	.280	.656
.056	1306TC-3-.056-2-*	.300	.656
.068	1306TC-3-.068-2-*	.330	.656
.082	1306TC-3-.082-2-*	.360	.656
.1	1306TC-3-.1-2-*	.350	.781
.12	1306TC-3-.12-2-*	.380	.781
.15	1306TC-3-.15-2-*	.420	.781
.18	1306TC-3-.18-2-*	.410	.906
.22	1306TC-3-.22-2-*	.450	.906
.27	1306TC-3-.27-2-*	.500	.906
.33	1306TC-3-.33-2-*	.470	1.190
.39	1306TC-3-.39-2-*	.510	1.190
.47	1306TC-3-.47-2-*	.560	1.190
.56	1306TC-3-.56-2-*	.600	1.190
.68	1306TC-3-.68-2-*	.660	1.190
.82	1306TC-3-.82-2-*	.640	1.440
1.0	1306TC-3-1.0-2-*	.710	1.690
1.25	1306TC-3-1.25-2-*	.780	1.690
1.5	1306TC-3-1.5-2-*	.830	1.940
2.0	1306TC-3-2.0-2-*	1.010	1.940

Cap.	400 VDC		
µF	Part #	D	L
.001	1306TC-3-.001-4-*	.180	.406
.0012	1306TC-3-.0012-4-*	.180	.406
.0015	1306TC-3-.0015-4-*	.180	.406
.0022	1306TC-3-.0022-4-*	.200	.406
.0027	1306TC-3-.0027-4-*	.220	.406
.0039	1306TC-3-.0039-4-*	.260	.406
.0047	1306TC-3-.0047-4-*	.180	.531
.0056	1306TC-3-.0056-4-*	.190	.531
.0068	1306TC-3-.0068-4-*	.200	.531
.0082	1306TC-3-.0082-4-*	.220	.531
.01	1306TC-3-.01-4-*	.240	.531
.012	1306TC-3-.012-4-*	.270	.531
.015	1306TC-3-.015-4-*	.290	.531
.018	1306TC-3-.018-4-*	.250	.656
.022	1306TC-3-.022-4-*	.280	.656
.027	1306TC-3-.027-4-*	.310	.656
.033	1306TC-3-.033-4-*	.340	.656
.039	1306TC-3-.039-4-*	.360	.656
.047	1306TC-3-.047-4-*	.340	.781
.056	1306TC-3-.056-4-*	.370	.781
.068	1306TC-3-.068-4-*	.410	.781
.082	1306TC-3-.082-4-*	.400	.906
.1	1306TC-3-.1-4-*	.440	.906
.12	1306TC-3-.12-4-*	.480	.906
.15	1306TC-3-.15-4-*	.450	1.190
.18	1306TC-3-.18-4-*	.490	1.190
.22	1306TC-3-.22-4-*	.540	1.190
.27	1306TC-3-.27-4-*	.600	1.190
.33	1306TC-3-.33-4-*	.580	1.440
.39	1306TC-3-.39-4-*	.630	1.440
.47	1306TC-3-.47-4-*	.690	1.440
.56	1306TC-3-.56-4-*	.680	1.690
.68	1306TC-3-.68-4-*	.740	1.690
.82	1306TC-3-.82-4-*	.810	1.690
1.0	1306TC-3-1.0-4-*	.820	1.940
1.25	1306TC-3-1.25-4-*	.920	1.940
1.5	1306TC-3-1.5-4-*	1.000	1.940
2.0	1306TC-3-2.0-4-*	1.080	2.250
3.0	1306TC-3-3.0-4-*	1.310	2.250

Cap.	600 VDC		
µF	Part #	D	L
.001	1306TC-3-.001-6-*	.180	.531
.0012	1306TC-3-.0012-6-*	.180	.531
.0015	1306TC-3-.0015-6-*	.180	.531
.0022	1306TC-3-.0022-6-*	.190	.531
.0027	1306TC-3-.0027-6-*	.200	.531
.0039	1306TC-3-.0039-6-*	.240	.531
.0047	1306TC-3-.0047-6-*	.260	.531
.0056	1306TC-3-.0056-6-*	.280	.531
.0068	1306TC-3-.0068-6-*	.230	.656
.0082	1306TC-3-.0082-6-*	.250	.656
.01	1306TC-3-.01-6-*	.270	.656
.012	1306TC-3-.012-6-*	.290	.656
.015	1306TC-3-.015-6-*	.330	.656
.018	1306TC-3-.018-6-*	.360	.656
.022	1306TC-3-.022-6-*	.330	.781
.027	1306TC-3-.027-6-*	.360	.781
.033	1306TC-3-.033-6-*	.400	.781
.039	1306TC-3-.039-6-*	.370	.906
.047	1306TC-3-.047-6-*	.410	.906
.056	1306TC-3-.056-6-*	.450	.906
.068	1306TC-3-.068-6-*	.490	.906
.082	1306TC-3-.082-6-*	.450	1.190
.1	1306TC-3-.1-6-*	.490	1.190
.12	1306TC-3-.12-6-*	.530	1.190
.15	1306TC-3-.15-6-*	.590	1.190
.18	1306TC-3-.18-6-*	.650	1.190
.22	1306TC-3-.22-6-*	.620	1.440
.27	1306TC-3-.27-6-*	.690	1.440
.33	1306TC-3-.33-6-*	.680	1.690
.39	1306TC-3-.39-6-*	.740	1.690
.47	1306TC-3-.47-6-*	.810	1.690
.56	1306TC-3-.56-6-*	.810	1.940
.68	1306TC-3-.68-6-*	.890	1.940
.82	1306TC-3-.82-6-*	.970	1.940
1.0	1306TC-3-1.0-6-*	1.070	1.940
1.25	1306TC-3-1.25-6-*	1.110	2.250
1.5	1306TC-3-1.5-6-*	1.220	2.250

\* - Please insert appropriate tolerance code

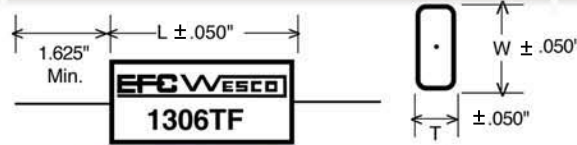


Please consult factory for special requirements, including non-standard values and sizes

# 1306TF Oval Wrap & Fill

# Polyester and Foil Capacitors

Lead Spec.  
Tinned Copperweld  
Under .190T = 24 AWG  
.190 - .380T = 22AWG  
Above .380T = 20 AWG



## Dimensions and Ratings

Cap.		50 VDC			
µF	Part #	T	W	L	
.001	1306TF-3-.001-0-*	.120	.210	.406	
.0012	1306TF-3-.0012-0-*	.120	.210	.406	
.0015	1306TF-3-.0015-0-*	.120	.210	.406	
.0022	1306TF-3-.0022-0-*	.120	.210	.406	
.0027	1306TF-3-.0027-0-*	.120	.210	.406	
.0039	1306TF-3-.0039-0-*	.120	.210	.406	
.0047	1306TF-3-.0047-0-*	.120	.210	.406	
.0056	1306TF-3-.0056-0-*	.120	.210	.406	
.0068	1306TF-3-.0068-0-*	.120	.210	.406	
.0082	1306TF-3-.0082-0-*	.120	.210	.406	
.01	1306TF-3-.01-0-*	.120	.210	.406	
.012	1306TF-3-.012-0-*	.120	.210	.406	
.015	1306TF-3-.015-0-*	.120	.220	.406	
.018	1306TF-3-.018-0-*	.140	.230	.406	
.022	1306TF-3-.022-0-*	.150	.240	.406	
.027	1306TF-3-.027-0-*	.170	.270	.406	
.033	1306TF-3-.033-0-*	.120	.210	.531	
.039	1306TF-3-.039-0-*	.130	.220	.531	
.047	1306TF-3-.047-0-*	.140	.240	.531	
.056	1306TF-3-.056-0-*	.160	.250	.531	
.068	1306TF-3-.068-0-*	.180	.270	.531	
.082	1306TF-3-.082-0-*	.200	.300	.531	
.1	1306TF-3-.1-0-*	.230	.320	.531	
.12	1306TF-3-.12-0-*	.190	.290	.656	
.15	1306TF-3-.15-0-*	.220	.310	.656	
.18	1306TF-3-.18-0-*	.250	.340	.656	
.22	1306TF-3-.22-0-*	.280	.370	.656	
.27	1306TF-3-.27-0-*	.310	.410	.656	
.33	1306TF-3-.33-0-*	.280	.400	.781	
.39	1306TF-3-.39-0-*	.310	.430	.781	
.47	1306TF-3-.47-0-*	.340	.470	1.190	
.56	1306TF-3-.56-0-*	.330	.460	1.190	
.68	1306TF-3-.68-0-*	.370	.500	1.190	
.82	1306TF-3-.82-0-*	.410	.540	1.190	
1.0	1306TF-3-1.0-0-*	.360	.520	1.190	
1.25	1306TF-3-1.25-0-*	.410	.580	1.190	
1.5	1306TF-3-1.5-0-*	.460	.620	1.190	
2.0	1306TF-3-2.0-0-*	.540	.710	1.190	

Cap.		100 VDC			
µF	Part #	T	W	L	
.001	1306TF-3-.001-1-*	.120	.210	.406	
.0012	1306TF-3-.0012-1-*	.120	.210	.406	
.0015	1306TF-3-.0015-1-*	.120	.210	.406	
.0022	1306TF-3-.0022-1-*	.120	.210	.406	
.0027	1306TF-3-.0027-1-*	.120	.210	.406	
.0039	1306TF-3-.0039-1-*	.120	.210	.406	
.0047	1306TF-3-.0047-1-*	.120	.210	.406	
.0056	1306TF-3-.0056-1-*	.120	.210	.406	
.0068	1306TF-3-.0068-1-*	.120	.210	.406	
.0082	1306TF-3-.0082-1-*	.120	.210	.406	
.01	1306TF-3-.01-1-*	.120	.220	.406	
.012	1306TF-3-.012-1-*	.140	.230	.406	
.015	1306TF-3-.015-1-*	.160	.250	.406	
.018	1306TF-3-.018-1-*	.180	.270	.406	
.022	1306TF-3-.022-1-*	.120	.210	.531	
.027	1306TF-3-.027-1-*	.140	.230	.531	
.033	1306TF-3-.033-1-*	.150	.250	.531	
.039	1306TF-3-.039-1-*	.170	.270	.531	
.047	1306TF-3-.047-1-*	.190	.290	.531	
.056	1306TF-3-.056-1-*	.210	.310	.531	
.068	1306TF-3-.068-1-*	.180	.280	.656	
.082	1306TF-3-.082-1-*	.210	.300	.656	
.1	1306TF-3-.1-1-*	.230	.330	.656	
.12	1306TF-3-.12-1-*	.260	.350	.656	
.15	1306TF-3-.15-1-*	.290	.390	.656	
.18	1306TF-3-.18-1-*	.330	.420	.656	
.22	1306TF-3-.22-1-*	.290	.420	.781	
.27	1306TF-3-.27-1-*	.330	.450	.781	
.33	1306TF-3-.33-1-*	.320	.450	.906	
.39	1306TF-3-.39-1-*	.360	.480	.906	
.47	1306TF-3-.47-1-*	.400	.520	.906	
.56	1306TF-3-.56-1-*	.340	.500	1.190	
.68	1306TF-3-.68-1-*	.380	.550	1.190	
.82	1306TF-3-.82-1-*	.430	.590	1.190	
1.0	1306TF-3-1.0-1-*	.480	.640	1.190	
1.25	1306TF-3-1.25-1-*	.540	.710	1.190	
1.5	1306TF-3-1.5-1-*	.520	.690	1.440	
2.0	1306TF-3-2.0-1-*	.610	.780	1.440	
3.0	1306TF-3-3.0-1-*	.670	.870	1.690	
4.0	1306TF-3-4.0-1-*	.790	.990	1.690	
5.0	1306TF-3-5.0-1-*	.900	1.090	1.690	

Cap.		160 VDC			
µF	Part #	T	W	L	
.001	1306TF-3-.001-1.6-*	.120	.210	.406	
.0012	1306TF-3-.0012-1.6-*	.120	.210	.406	
.0015	1306TF-3-.0015-1.6-*	.120	.210	.406	
.0022	1306TF-3-.0022-1.6-*	.120	.210	.406	
.0027	1306TF-3-.0027-1.6-*	.120	.210	.406	
.0039	1306TF-3-.0039-1.6-*	.120	.210	.406	
.0047	1306TF-3-.0047-1.6-*	.120	.210	.406	
.0056	1306TF-3-.0056-1.6-*	.120	.210	.406	
.0068	1306TF-3-.0068-1.6-*	.120	.210	.406	
.0082	1306TF-3-.0082-1.6-*	.130	.220	.406	
.01	1306TF-3-.01-1.6-*	.150	.240	.406	
.012	1306TF-3-.012-1.6-*	.160	.260	.406	
.015	1306TF-3-.015-1.6-*	.110	.200	.531	
.018	1306TF-3-.018-1.6-*	.120	.220	.531	
.022	1306TF-3-.022-1.6-*	.140	.240	.531	
.027	1306TF-3-.027-1.6-*	.160	.260	.531	
.033	1306TF-3-.033-1.6-*	.180	.280	.531	
.039	1306TF-3-.039-1.6-*	.200	.300	.531	
.047	1306TF-3-.047-1.6-*	.230	.320	.531	
.056	1306TF-3-.056-1.6-*	.190	.290	.656	
.068	1306TF-3-.068-1.6-*	.220	.310	.656	
.082	1306TF-3-.082-1.6-*	.240	.340	.656	
.1	1306TF-3-.1-1.6-*	.270	.360	.656	
.12	1306TF-3-.12-1.6-*	.300	.400	.656	
.15	1306TF-3-.15-1.6-*	.270	.400	.781	
.18	1306TF-3-.18-1.6-*	.300	.430	.781	
.22	1306TF-3-.22-1.6-*	.340	.470	.781	
.27	1306TF-3-.27-1.6-*	.330	.460	.906	
.33	1306TF-3-.33-1.6-*	.380	.500	.906	
.39	1306TF-3-.39-1.6-*	.420	.540	.906	
.47	1306TF-3-.47-1.6-*	.360	.520	1.190	
.56	1306TF-3-.56-1.6-*	.400	.560	1.190	
.68	1306TF-3-.68-1.6-*	.450	.610	1.190	
.82	1306TF-3-.82-1.6-*	.500	.660	1.190	
1.0	1306TF-3-1.0-1.6-*	.560	.730	1.190	
1.25	1306TF-3-1.25-1.6-*	.550	.710	1.440	
1.5	1306TF-3-1.5-1.6-*	.610	.770	1.440	
2.0	1306TF-3-2.0-1.6-*	.620	.820	1.690	
3.0	1306TF-3-3.0-1.6-*	.780	.980	1.690	
4.0	1306TF-3-4.0-1.6-*	.920	1.120	1.690	
5.0	1306TF-3-5.0-1.6-*	.950	1.140	1.940	
6.0	1306TF-3-6.0-1.6-*	1.050	1.250	1.940	
8.0	1306TF-3-8.0-1.6-*	1.130	1.330	2.250	

\* - Please insert appropriate tolerance code

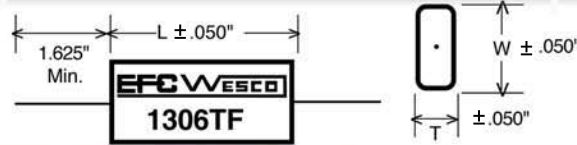


Please consult factory for special requirements, including non-standard values and sizes

## 1306TF Oval Wrap & Fill

# Polyester and Foil Capacitors

Lead Spec.  
Tinned Copperweld  
Under .190T = 24 AWG  
.190 - .380T = 22AWG  
Above .380T = 20 AWG



## Dimensions and Ratings

200 VDC					400 VDC					600 VDC				
Cap.	Part #	T	W	L	Cap.	Part #	T	W	L	Cap.	Part #	T	W	L
.001	1306TF-3-001-2-*	.120	.210	.406	.001	1306TF-3-001-4-*	.120	.210	.406	.001	1306TF-3-001-6-*	.120	.210	.531
.0012	1306TF-3-0012-2-*	.120	.210	.406	.0012	1306TF-3-0012-4-*	.120	.210	.406	.0012	1306TF-3-0012-6-*	.120	.210	.531
.0015	1306TF-3-0015-2-*	.120	.210	.406	.0015	1306TF-3-0015-4-*	.120	.210	.406	.0015	1306TF-3-0015-6-*	.120	.210	.531
.0022	1306TF-3-0022-2-*	.120	.210	.406	.0022	1306TF-3-0022-4-*	.140	.240	.406	.0022	1306TF-3-0022-6-*	.130	.220	.531
.0027	1306TF-3-0027-2-*	.120	.210	.406	.0027	1306TF-3-0027-4-*	.160	.260	.406	.0027	1306TF-3-0027-6-*	.140	.240	.531
.0039	1306TF-3-0039-2-*	.120	.210	.406	.0039	1306TF-3-0039-4-*	.200	.300	.406	.0039	1306TF-3-0039-6-*	.180	.270	.531
.0047	1306TF-3-0047-2-*	.120	.210	.406	.0047	1306TF-3-0047-4-*	.120	.210	.531	.0047	1306TF-3-0047-6-*	.200	.300	.531
.0056	1306TF-3-0056-2-*	.130	.230	.406	.0056	1306TF-3-0056-4-*	.130	.220	.531	.0056	1306TF-3-0056-6-*	.220	.320	.531
.0068	1306TF-3-0068-2-*	.150	.250	.406	.0068	1306TF-3-0068-4-*	.140	.240	.531	.0068	1306TF-3-0068-6-*	.170	.260	.656
.0082	1306TF-3-0082-2-*	.170	.260	.406	.0082	1306TF-3-0082-4-*	.150	.260	.531	.0082	1306TF-3-0082-6-*	.190	.280	.656
.01	1306TF-3-01-2-*	.190	.280	.406	.01	1306TF-3-01-4-*	.180	.280	.531	.01	1306TF-3-01-6-*	.210	.300	.656
.012	1306TF-3-012-2-*	.120	.220	.531	.012	1306TF-3-012-4-*	.210	.300	.531	.012	1306TF-3-012-6-*	.230	.330	.656
.015	1306TF-3-015-2-*	.140	.240	.531	.015	1306TF-3-015-4-*	.230	.330	.531	.015	1306TF-3-015-6-*	.270	.360	.656
.018	1306TF-3-018-2-*	.160	.250	.531	.018	1306TF-3-018-4-*	.190	.290	.656	.018	1306TF-3-018-6-*	.300	.390	.656
.022	1306TF-3-022-2-*	.180	.270	.531	.022	1306TF-3-022-4-*	.220	.310	.656	.022	1306TF-3-022-6-*	.250	.370	.781
.027	1306TF-3-027-2-*	.200	.300	.531	.027	1306TF-3-027-4-*	.250	.340	.656	.027	1306TF-3-027-6-*	.280	.410	.781
.033	1306TF-3-033-2-*	.230	.320	.531	.033	1306TF-3-033-4-*	.280	.370	.656	.033	1306TF-3-033-6-*	.320	.440	.781
.039	1306TF-3-039-2-*	.190	.290	.656	.039	1306TF-3-039-4-*	.300	.400	.656	.039	1306TF-3-039-6-*	.290	.420	.906
.047	1306TF-3-047-2-*	.220	.310	.656	.047	1306TF-3-047-4-*	.260	.390	.781	.047	1306TF-3-047-6-*	.330	.460	.906
.056	1306TF-3-056-2-*	.240	.340	.656	.056	1306TF-3-056-4-*	.290	.420	.781	.056	1306TF-3-056-6-*	.370	.490	.906
.068	1306TF-3-068-2-*	.270	.360	.656	.068	1306TF-3-068-4-*	.330	.460	.781	.068	1306TF-3-068-6-*	.410	.530	.906
.082	1306TF-3-082-2-*	.300	.400	.656	.082	1306TF-3-082-4-*	.320	.440	.906	.082	1306TF-3-082-6-*	.340	.510	1.190
.1	1306TF-3-1-2-*	.270	.390	.781	.1	1306TF-3-1-4-*	.360	.480	.906	.1	1306TF-3-1-6-*	.380	.550	1.190
.12	1306TF-3-12-2-*	.300	.420	.781	.12	1306TF-3-12-4-*	.400	.520	.906	.12	1306TF-3-12-6-*	.430	.600	1.190
.15	1306TF-3-15-2-*	.340	.470	.781	.15	1306TF-3-15-4-*	.350	.510	1.190	.15	1306TF-3-15-6-*	.490	.660	1.190
.18	1306TF-3-18-2-*	.330	.460	.906	.18	1306TF-3-18-4-*	.390	.550	1.190	.18	1306TF-3-18-6-*	.540	.710	1.190
.22	1306TF-3-22-2-*	.370	.500	.906	.22	1306TF-3-22-4-*	.440	.600	1.190	.22	1306TF-3-22-6-*	.520	.680	1.440
.27	1306TF-3-27-2-*	.420	.540	.906	.27	1306TF-3-27-4-*	.490	.660	1.190	.27	1306TF-3-27-6-*	.580	.750	1.440
.33	1306TF-3-33-2-*	.360	.530	1.190	.33	1306TF-3-33-4-*	.470	.640	1.440	.33	1306TF-3-33-6-*	.560	.760	1.690
.39	1306TF-3-39-2-*	.400	.570	1.190	.39	1306TF-3-39-4-*	.520	.690	1.440	.39	1306TF-3-39-6-*	.620	.810	1.690
.47	1306TF-3-47-2-*	.450	.620	1.190	.47	1306TF-3-47-4-*	.580	.750	1.440	.47	1306TF-3-47-6-*	.690	.880	1.690
.56	1306TF-3-56-2-*	.500	.670	1.190	.56	1306TF-3-56-4-*	.550	.750	1.690	.56	1306TF-3-56-6-*	.680	.880	1.940
.68	1306TF-3-68-2-*	.560	.720	1.190	.68	1306TF-3-68-4-*	.620	.820	1.690	.68	1306TF-3-68-6-*	.760	.960	1.940
.82	1306TF-3-82-2-*	.540	.700	1.440	.82	1306TF-3-82-4-*	.690	.890	1.690	.82	1306TF-3-82-6-*	.850	1.050	1.940
1.0	1306TF-3-1.0-2-*	.590	.780	1.440	1.0	1306TF-3-1.0-4-*	.700	.900	1.940	1.0	1306TF-3-1.0-6-*	.950	1.150	1.940
1.25	1306TF-3-1.25-2-*	.590	.790	1.690	1.25	1306TF-3-1.25-4-*	.790	.990	1.940	1.25	1306TF-3-1.25-6-*	.990	1.180	2.250
1.5	1306TF-3-1.5-2-*	.660	.850	1.690	1.5	1306TF-3-1.5-4-*	.880	1.080	1.940	1.5	1306TF-3-1.5-6-*	1.090	1.290	2.250
2.0	1306TF-3-2.0-2-*	.700	.900	1.940	2.0	1306TF-3-2.0-4-*	.950	1.150	2.250					
3.0	1306TF-3-3.0-2-*	.880	1.080	1.940	3.0	1306TF-3-3.0-4-*	1.190	1.390	2.250					

\* - Please insert appropriate tolerance code

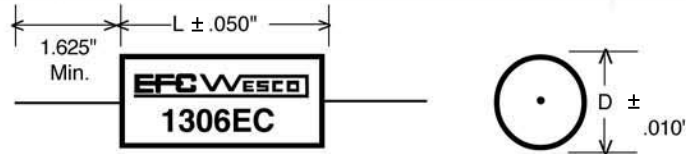


Please consult factory for special requirements, including non-standard values and sizes

**1306EC**  
Tubular Plastic Case  
(Axial Leads)

# Polyester and Foil Capacitors

Lead Spec.  
Tinned Copperweld  
Under .250D = 24 AWG  
.250 - .440D = 22AWG  
Above .440D = 20 AWG



## Dimensions and Ratings

Cap.	50 VDC			Cap.	100 VDC			Cap.	160 VDC		
μF	Part #	D	L	μF	Part #	D	L	μF	Part #	D	L
.001	1306EC-3-.001-0-*	.187	.375	.001	1306EC-3-.001-1-*	.187	.375	.001	1306EC-3-.001-10-1.6-*	.187	.375
.0012	1306EC-3-.0012-0-*	.187	.375	.0012	1306EC-3-.0012-1-*	.187	.375	.0012	1306EC-3-.0012-10-1.6-*	.187	.375
.0015	1306EC-3-.0015-0-*	.187	.375	.0015	1306EC-3-.0015-1-*	.187	.375	.0015	1306EC-3-.0015-10-1.6-*	.187	.375
.0022	1306EC-3-.0022-0-*	.187	.375	.0022	1306EC-3-.0022-1-*	.187	.375	.0022	1306EC-3-.0022-10-1.6-*	.187	.375
.0027	1306EC-3-.0027-0-*	.187	.375	.0027	1306EC-3-.0027-1-*	.187	.375	.0027	1306EC-3-.0027-10-1.6-*	.187	.375
.0039	1306EC-3-.0039-0-*	.187	.375	.0039	1306EC-3-.0039-1-*	.187	.375	.0039	1306EC-3-.0039-10-1.6-*	.187	.375
.0047	1306EC-3-.0047-0-*	.187	.375	.0047	1306EC-3-.0047-1-*	.187	.375	.0047	1306EC-3-.0047-10-1.6-*	.225	.375
.0056	1306EC-3-.0056-0-*	.225	.375	.0056	1306EC-3-.0056-1-*	.187	.375	.0056	1306EC-3-.0056-10-1.6-*	.225	.375
.0068	1306EC-3-.0068-0-*	.225	.375	.0068	1306EC-3-.0068-1-*	.225	.375	.0068	1306EC-3-.0068-10-1.6-*	.225	.375
.0082	1306EC-3-.0082-0-*	.225	.375	.0082	1306EC-3-.0082-1-*	.225	.375	.0082	1306EC-3-.0082-10-1.6-*	.225	.375
.01	1306EC-3-.01-0-*	.187	.500	.01	1306EC-3-.01-1-*	.225	.375	.01	1306EC-3-.01-10-1.6-*	.187	.500
.012	1306EC-3-.012-0-*	.187	.500	.012	1306EC-3-.012-1-*	.187	.500	.012	1306EC-3-.012-10-1.6-*	.225	.500
.015	1306EC-3-.015-0-*	.225	.500	.015	1306EC-3-.015-1-*	.225	.500	.015	1306EC-3-.015-10-1.6-*	.225	.500
.018	1306EC-3-.018-0-*	.225	.500	.018	1306EC-3-.018-1-*	.225	.500	.018	1306EC-3-.018-10-1.6-*	.225	.500
.022	1306EC-3-.022-0-*	.225	.500	.022	1306EC-3-.022-1-*	.225	.500	.022	1306EC-3-.022-10-1.6-*	.260	.550
.027	1306EC-3-.027-0-*	.260	.550	.027	1306EC-3-.027-1-*	.260	.550	.027	1306EC-3-.027-10-1.6-*	.260	.550
.033	1306EC-3-.033-0-*	.260	.550	.033	1306EC-3-.033-1-*	.260	.550	.033	1306EC-3-.033-10-1.6-*	.250	.625
.039	1306EC-3-.039-0-*	.250	.625	.039	1306EC-3-.039-1-*	.250	.625	.039	1306EC-3-.039-10-1.6-*	.250	.625
.047	1306EC-3-.047-0-*	.250	.625	.047	1306EC-3-.047-1-*	.250	.625	.047	1306EC-3-.047-10-1.6-*	.312	.625
.056	1306EC-3-.056-0-*	.250	.625	.056	1306EC-3-.056-1-*	.250	.625	.056	1306EC-3-.056-10-1.6-*	.312	.625
.068	1306EC-3-.068-0-*	.312	.625	.068	1306EC-3-.068-1-*	.312	.625	.068	1306EC-3-.068-10-1.6-*	.312	.625
.082	1306EC-3-.082-0-*	.312	.625	.082	1306EC-3-.082-1-*	.312	.625	.082	1306EC-3-.082-10-1.6-*	.312	.750
.1	1306EC-3-.1-0-*	.312	.625	.1	1306EC-3-.1-1-*	.312	.750	.1	1306EC-3-.1-10-1.6-*	.375	.750
.12	1306EC-3-.12-0-*	.312	.750	.12	1306EC-3-.12-1-*	.312	.750	.12	1306EC-3-.12-10-1.6-*	.375	.750
.15	1306EC-3-.15-0-*	.375	.750	.15	1306EC-3-.15-1-*	.375	.750	.15	1306EC-3-.15-10-1.6-*	.375	.875
.18	1306EC-3-.18-0-*	.375	.750	.18	1306EC-3-.18-1-*	.375	.750	.18	1306EC-3-.18-10-1.6-*	.375	.875
.22	1306EC-3-.22-0-*	.375	.875	.22	1306EC-3-.22-1-*	.375	.875	.22	1306EC-3-.22-10-1.6-*	.437	.875
.27	1306EC-3-.27-0-*	.437	.875	.27	1306EC-3-.27-1-*	.437	.875	.27	1306EC-3-.27-10-1.6-*	.500	.875
.33	1306EC-3-.33-0-*	.437	.875	.33	1306EC-3-.33-1-*	.500	.875	.33	1306EC-3-.33-10-1.6-*	.500	.875
.39	1306EC-3-.39-0-*	.500	.875	.39	1306EC-3-.39-1-*	.500	.875	.39	1306EC-3-.39-10-1.6-*	.500	1.190
.47	1306EC-3-.47-0-*	.500	1.190	.47	1306EC-3-.47-1-*	.500	1.190	.47	1306EC-3-.47-10-1.6-*	.500	1.190
.56	1306EC-3-.56-0-*	.500	1.190	.56	1306EC-3-.56-1-*	.500	1.190				

\* - Please insert appropriate tolerance code

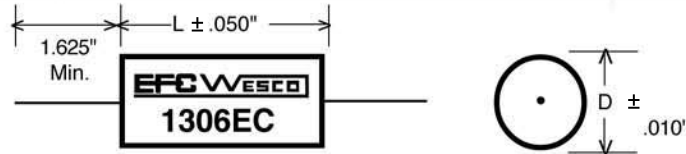


Please consult factory for special requirements, including non-standard values and sizes

**1306EC**  
Tubular Plastic Case  
(Axial Leads)

# Polyester and Foil Capacitors

Lead Spec.  
Tinned Copperweld  
Under .250D = 24 AWG  
.250 - .440D = 22AWG  
Above .440D = 20 AWG



## Dimensions and Ratings

Cap.	200 VDC		
μF	Part #	D	L
.001	1306EC-3-.001-2-*	.187	.375
.0012	1306EC-3-.0012-2-*	.187	.375
.0015	1306EC-3-.0015-2-*	.187	.375
.0022	1306EC-3-.0022-2-*	.187	.375
.0027	1306EC-3-.0027-2-*	.225	.375
.0039	1306EC-3-.0039-2-*	.225	.375
.0047	1306EC-3-.0047-2-*	.187	.500
.0056	1306EC-3-.0056-2-*	.225	.500
.0068	1306EC-3-.0068-2-*	.225	.500
.0082	1306EC-3-.0082-2-*	.225	.500
.01	1306EC-3-.01-2-*	.225	.500
.012	1306EC-3-.012-2-*	.260	.550
.015	1306EC-3-.015-2-*	.260	.550
.018	1306EC-3-.018-2-*	.250	.625
.022	1306EC-3-.022-2-*	.250	.625
.027	1306EC-3-.027-2-*	.312	.625
.033	1306EC-3-.033-2-*	.312	.625
.039	1306EC-3-.039-2-*	.312	.625
.047	1306EC-3-.047-2-*	.312	.750
.056	1306EC-3-.056-2-*	.375	.750
.068	1306EC-3-.068-2-*	.375	.750
.082	1306EC-3-.082-2-*	.375	.875
.1	1306EC-3-.1-2-*	.437	.875
.12	1306EC-3-.12-2-*	.437	.875
.15	1306EC-3-.15-2-*	.500	.875
.18	1306EC-3-.18-2-*	.500	.875
.22	1306EC-3-.22-2-*	.500	1.190

Cap.	400 VDC		
μF	Part #	D	L
.001	1306EC-3-.001-4-*	.187	.375
.0012	1306EC-3-.0012-4-*	.225	.375
.0015	1306EC-3-.0015-4-*	.225	.375
.0022	1306EC-3-.0022-4-*	.187	.500
.0027	1306EC-3-.0027-4-*	.187	.500
.0039	1306EC-3-.0039-4-*	.225	.500
.0047	1306EC-3-.0047-4-*	.225	.500
.0056	1306EC-3-.0056-4-*	.260	.550
.0068	1306EC-3-.0068-4-*	.260	.550
.0082	1306EC-3-.0082-4-*	.225	.625
.01	1306EC-3-.01-4-*	.250	.625
.012	1306EC-3-.012-4-*	.312	.625
.015	1306EC-3-.015-4-*	.312	.625
.018	1306EC-3-.018-4-*	.312	.625
.022	1306EC-3-.022-4-*	.312	.750
.027	1306EC-3-.027-4-*	.312	.750
.033	1306EC-3-.033-4-*	.312	.750
.039	1306EC-3-.039-4-*	.312	.875
.047	1306EC-3-.047-4-*	.312	.875
.056	1306EC-3-.056-4-*	.437	.875
.068	1306EC-3-.068-4-*	.437	.875
.082	1306EC-3-.082-4-*	.500	.875
.1	1306EC-3-.1-4-*	.500	1.190
.12	1306EC-3-.12-4-*	.500	1.190

Cap.	600 VDC		
μF	Part #	D	L
.001	1306EC-3-.001-6-*	.187	.500
.0012	1306EC-3-.0012-6-*	.187	.500
.0015	1306EC-3-.0015-6-*	.225	.500
.0022	1306EC-3-.0022-6-*	.260	.550
.0027	1306EC-3-.0027-6-*	.260	.550
.0039	1306EC-3-.0039-6-*	.225	.625
.0047	1306EC-3-.0047-6-*	.250	.625
.0056	1306EC-3-.0056-6-*	.312	.625
.0068	1306EC-3-.0068-6-*	.312	.625
.0082	1306EC-3-.0082-6-*	.312	.625
.01	1306EC-3-.01-6-*	.312	.750
.012	1306EC-3-.012-6-*	.312	.750
.015	1306EC-3-.015-6-*	.375	.750
.018	1306EC-3-.018-6-*	.375	.750
.022	1306EC-3-.022-6-*	.375	.875
.027	1306EC-3-.027-6-*	.437	.875
.033	1306EC-3-.033-6-*	.437	.875
.039	1306EC-3-.039-6-*	.500	.875
.047	1306EC-3-.047-6-*	.500	.875
.056	1306EC-3-.056-6-*	.500	1.190
.068	1306EC-3-.068-6-*	.500	1.190

\* - Please insert appropriate tolerance code



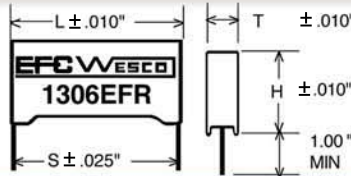


Please consult factory for special requirements, including non-standard values and sizes

**1306EFR**  
Rectangular Plastic Case  
(Radial Leads)

**Polyester and Foil Capacitors**

Lead Specs -  
Tinned Copperweld  
B through E cases: 22 AWG  
F through Q cases: 20 AWG



**Dimensions and Ratings**

63 VDC / 40 VAC						160 VDC / 100 VAC					
Cap. $\mu$ F	Part #	T in. (mm)	L in. (mm)	H in. (mm)	S in. (mm)	Cap. $\mu$ F	Part #	T in. (mm)	L in. (mm)	H in. (mm)	S in. (mm)
.001	1306EFR-B-.001-.63-*	.157 (4.0)	.354 (9.0)	.413 (10.5)	.295 (7.5)	.001	1306EFR-B-.001-1.6-*	.157 (4.0)	.354 (9.0)	.413 (10.5)	.295 (7.5)
.0012	1306EFR-B-.0012-.63-*	.157 (4.0)	.354 (9.0)	.413 (10.5)	.295 (7.5)	.0012	1306EFR-B-.0012-1.6-*	.157 (4.0)	.354 (9.0)	.413 (10.5)	.295 (7.5)
.0015	1306EFR-B-.0015-.63-*	.157 (4.0)	.354 (9.0)	.413 (10.5)	.295 (7.5)	.0015	1306EFR-B-.0015-1.6-*	.157 (4.0)	.354 (9.0)	.413 (10.5)	.295 (7.5)
.0022	1306EFR-B-.0022-.63-*	.157 (4.0)	.354 (9.0)	.413 (10.5)	.295 (7.5)	.0022	1306EFR-B-.0022-1.6-*	.157 (4.0)	.354 (9.0)	.413 (10.5)	.295 (7.5)
.0027	1306EFR-B-.0027-.63-*	.157 (4.0)	.354 (9.0)	.413 (10.5)	.295 (7.5)	.0027	1306EFR-B-.0027-1.6-*	.157 (4.0)	.354 (9.0)	.413 (10.5)	.295 (7.5)
.0039	1306EFR-B-.0039-.63-*	.157 (4.0)	.354 (9.0)	.413 (10.5)	.295 (7.5)	.0039	1306EFR-B-.0039-1.6-*	.157 (4.0)	.354 (9.0)	.413 (10.5)	.295 (7.5)
.0047	1306EFR-B-.0047-.63-*	.157 (4.0)	.354 (9.0)	.413 (10.5)	.295 (7.5)	.0047	1306EFR-B-.0047-1.6-*	.157 (4.0)	.354 (9.0)	.413 (10.5)	.295 (7.5)
.0056	1306EFR-B-.0056-.63-*	.157 (4.0)	.354 (9.0)	.413 (10.5)	.295 (7.5)	.0056	1306EFR-B-.0056-1.6-*	.157 (4.0)	.354 (9.0)	.413 (10.5)	.295 (7.5)
.0068	1306EFR-B-.0068-.63-*	.157 (4.0)	.354 (9.0)	.413 (10.5)	.295 (7.5)	.0068	1306EFR-B-.0068-1.6-*	.157 (4.0)	.354 (9.0)	.413 (10.5)	.295 (7.5)
.0082	1306EFR-B-.0082-.63-*	.157 (4.0)	.354 (9.0)	.413 (10.5)	.295 (7.5)	.0082	1306EFR-B-.0082-1.6-*	.157 (4.0)	.354 (9.0)	.413 (10.5)	.295 (7.5)
.01	1306EFR-B-.01-.63-*	.157 (4.0)	.354 (9.0)	.413 (10.5)	.295 (7.5)	.01	1306EFR-B-.01-1.6-*	.157 (4.0)	.354 (9.0)	.413 (10.5)	.295 (7.5)
.012	1306EFR-B-.012-.63-*	.157 (4.0)	.354 (9.0)	.413 (10.5)	.295 (7.5)	.012	1306EFR-B-.012-1.6-*	.157 (4.0)	.354 (9.0)	.413 (10.5)	.295 (7.5)
.015	1306EFR-B-.015-.63-*	.157 (4.0)	.354 (9.0)	.413 (10.5)	.295 (7.5)	.015	1306EFR-C-.015-1.6-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)
.018	1306EFR-B-.018-.63-*	.157 (4.0)	.354 (9.0)	.413 (10.5)	.295 (7.5)	.018	1306EFR-C-.018-1.6-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)
.022	1306EFR-C-.022-.63-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)	.022	1306EFR-C-.022-1.6-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)
.027	1306EFR-C-.027-.63-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)	.027	1306EFR-C-.027-1.6-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)
.033	1306EFR-C-.033-.63-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)	.033	1306EFR-D-.033-1.6-*	.197 (5.0)	.512 (13.0)	.433 (11.0)	.394 (10.0)
.039	1306EFR-C-.039-.63-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)	.039	1306EFR-D-.039-1.6-*	.197 (5.0)	.512 (13.0)	.433 (11.0)	.394 (10.0)
.047	1306EFR-C-.047-.63-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)	.047	1306EFR-D-.047-1.6-*	.236 (6.0)	.512 (13.0)	.472 (12.0)	.394 (10.0)
.056	1306EFR-D-.056-.63-*	.197 (5.0)	.512 (13.0)	.433 (11.0)	.394 (10.0)	.056	1306EFR-E-.056-1.6-*	.236 (6.0)	.512 (13.0)	.472 (12.0)	.394 (10.0)
.068	1306EFR-D-.068-.63-*	.197 (5.0)	.512 (13.0)	.433 (11.0)	.394 (10.0)	.068	1306EFR-F-.068-1.6-*	.197 (5.0)	.709 (18.0)	.433 (11.0)	.591 (15.0)
.082	1306EFR-E-.082-.63-*	.236 (6.0)	.512 (13.0)	.472 (12.0)	.394 (10.0)	.082	1306EFR-G-.082-1.6-*	.236 (6.0)	.709 (18.0)	.472 (12.0)	.591 (15.0)
.1	1306EFR-E-.1-.63-*	.236 (6.0)	.512 (13.0)	.472 (12.0)	.394 (10.0)	.1	1306EFR-G-.1-1.6-*	.236 (6.0)	.709 (18.0)	.472 (12.0)	.591 (15.0)
.12	1306EFR-F-.12-.63-*	.197 (5.0)	.709 (18.0)	.433 (11.0)	.591 (15.0)	.12	1306EFR-G-.12-1.6-*	.236 (6.0)	.709 (18.0)	.472 (12.0)	.591 (15.0)
.15	1306EFR-G-.15-.63-*	.236 (6.0)	.709 (18.0)	.472 (12.0)	.591 (15.0)	.15	1306EFR-H-.15-1.6-*	.295 (7.5)	.709 (18.0)	.531 (13.5)	.591 (15.0)
.18	1306EFR-G-.18-.63-*	.236 (6.0)	.709 (18.0)	.472 (12.0)	.591 (15.0)	.18	1306EFR-H-.18-1.6-*	.295 (7.5)	.709 (18.0)	.531 (13.5)	.591 (15.0)
.22	1306EFR-H-.22-.63-*	.295 (7.5)	.709 (18.0)	.531 (13.5)	.591 (15.0)	.22	1306EFR-K-.22-1.6-*	.276 (7.0)	1.04 (26.5)	.630 (16.0)	.787 (20.0)
.27	1306EFR-H-.27-.63-*	.295 (7.5)	.709 (18.0)	.531 (13.5)	.591 (15.0)	.27	1306EFR-M-.27-1.6-*	.276 (7.0)	1.04 (26.5)	.630 (16.0)	.886 (22.5)
.33	1306EFR-J-.33-.63-*	.236 (6.0)	1.04 (26.5)	.591 (15.0)	.787 (20.0)	.27	1306EFR-K-.27-1.6-*	.276 (7.0)	1.04 (26.5)	.630 (16.0)	.787 (20.0)
.33	1306EFR-L-.33-.63-*	.236 (6.0)	1.04 (26.5)	.591 (15.0)	.886 (22.5)	.27	1306EFR-M-.27-1.6-*	.276 (7.0)	1.04 (26.5)	.630 (16.0)	.886 (22.5)
.39	1306EFR-K-.39-.63-*	.276 (7.0)	1.04 (26.5)	.630 (16.0)	.787 (20.0)	.33	1306EFR-N-.33-1.6-*	.335 (8.5)	1.04 (26.5)	.748 (19.0)	.886 (22.5)
.39	1306EFR-M-.39-.63-*	.276 (7.0)	1.04 (26.5)	.630 (16.0)	.886 (22.5)	.39	1306EFR-N-.39-1.6-*	.335 (8.5)	1.04 (26.5)	.748 (19.0)	.886 (22.5)
.47	1306EFR-N-.47-.63-*	.335 (8.5)	1.04 (26.5)	.748 (19.0)	.886 (22.5)	.47	1306EFR-O-.47-1.6-*	.394 (10.0)	1.04 (26.5)	.748 (19.0)	.886 (22.5)
.56	1306EFR-N-.56-.63-*	.335 (8.5)	1.04 (26.5)	.748 (19.0)	.886 (22.5)	.56	1306EFR-P-.56-1.6-*	.433 (11.0)	1.26 (32.0)	.787 (20.0)	1.08 (27.5)
.68	1306EFR-O-.68-.63-*	.394 (10.0)	1.04 (26.5)	.748 (19.0)	.886 (22.5)	.68	1306EFR-P-.68-1.6-*	.433 (11.0)	1.26 (32.0)	.787 (20.0)	1.08 (27.5)
.82	1306EFR-O-.82-.63-*	.394 (10.0)	1.04 (26.5)	.748 (19.0)	.886 (22.5)	.82	1306EFR-P-.82-1.6-*	.433 (11.0)	1.26 (32.0)	.787 (20.0)	1.08 (27.5)
1.0	1306EFR-P-1.0-.63-*	.433 (11.0)	1.26 (32.0)	.787 (20.0)	1.08 (27.5)	1.0	1306EFR-Q-1.0-1.6-*	.512 (13.0)	1.26 (32.0)	.866 (22.0)	1.08 (27.5)
1.25	1306EFR-Q-1.25-.63-*	.512 (13.0)	1.26 (32.0)	.866 (22.0)	1.08 (27.5)						
1.5	1306EFR-Q-1.5-.63-*	.512 (13.0)	1.26 (32.0)	.866 (22.0)	1.08 (27.5)						

\* - Please insert appropriate tolerance code

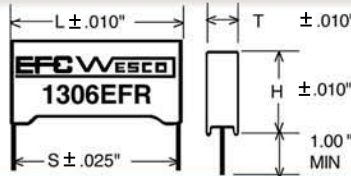


Please consult factory for special requirements, including non-standard values and sizes

**1306EFR**  
Rectangular Plastic Case  
(Radial Leads)

# Polyester and Foil Capacitors

Lead Specs -  
Tinned Copperweld  
B through E cases: 22 AWG  
F through Q cases: 20 AWG



## Dimensions and Ratings

250 VDC / 160 VAC						400 VDC / 220 VAC					
Cap.	Part #	T	L	H	S	Cap.	Part #	T	L	H	S
μF		in. (mm)	in. (mm)	in. (mm)	in. (mm)	μF		in. (mm)	in. (mm)	in. (mm)	in. (mm)
.001	1306EFR-B-.001-2.5-*	.157 (4.0)	.354 (9.0)	.413 (10.5)	.295 (7.5)	.001	1306EFR-B-.001-4-*	.157 (4.0)	.354 (9.0)	.413 (10.5)	.295 (7.5)
.0012	1306EFR-B-.0012-2.5-*	.157 (4.0)	.354 (9.0)	.413 (10.5)	.295 (7.5)	.0012	1306EFR-B-.0012-4-*	.157 (4.0)	.354 (9.0)	.413 (10.5)	.295 (7.5)
.0015	1306EFR-B-.0015-2.5-*	.157 (4.0)	.354 (9.0)	.413 (10.5)	.295 (7.5)	.0015	1306EFR-B-.0015-4-*	.157 (4.0)	.354 (9.0)	.413 (10.5)	.295 (7.5)
.0022	1306EFR-B-.0022-2.5-*	.157 (4.0)	.354 (9.0)	.413 (10.5)	.295 (7.5)	.0022	1306EFR-B-.0022-4-*	.157 (4.0)	.354 (9.0)	.413 (10.5)	.295 (7.5)
.0027	1306EFR-B-.0027-2.5-*	.157 (4.0)	.354 (9.0)	.413 (10.5)	.295 (7.5)	.0027	1306EFR-C-.0027-4-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)
.0039	1306EFR-B-.0039-2.5-*	.157 (4.0)	.354 (9.0)	.413 (10.5)	.295 (7.5)	.0039	1306EFR-C-.0039-4-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)
.0047	1306EFR-B-.0047-2.5-*	.157 (4.0)	.354 (9.0)	.413 (10.5)	.295 (7.5)	.0047	1306EFR-C-.0047-4-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)
.0056	1306EFR-B-.0056-2.5-*	.157 (4.0)	.354 (9.0)	.413 (10.5)	.295 (7.5)	.0056	1306EFR-C-.0056-4-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)
.0068	1306EFR-C-.0068-2.5-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)	.0068	1306EFR-D-.0068-4-*	.197 (5.0)	.512 (13.0)	.433 (11.0)	.394 (10.0)
.0082	1306EFR-C-.0082-2.5-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)	.0082	1306EFR-D-.0082-4-*	.197 (5.0)	.512 (13.0)	.433 (11.0)	.394 (10.0)
.01	1306EFR-C-.01-2.5-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)	.01	1306EFR-E-.01-4-*	.236 (6.0)	.512 (13.0)	.472 (12.0)	.394 (10.0)
.012	1306EFR-C-.012-2.5-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)	.012	1306EFR-E-.012-4-*	.236 (6.0)	.512 (13.0)	.472 (12.0)	.394 (10.0)
.015	1306EFR-C-.015-2.5-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)	.015	1306EFR-F-.015-4-*	.197 (5.0)	.709 (18.0)	.433 (11.0)	.591 (15.0)
.018	1306EFR-D-.018-2.5-*	.197 (5.0)	.512 (13.0)	.433 (11.0)	.394 (10.0)	.018	1306EFR-F-.018-4-*	.197 (5.0)	.709 (18.0)	.433 (11.0)	.591 (15.0)
.022	1306EFR-E-.022-2.5-*	.236 (6.0)	.512 (13.0)	.472 (12.0)	.394 (10.0)	.022	1306EFR-G-.022-4-*	.236 (6.0)	.709 (18.0)	.472 (12.0)	.591 (15.0)
.027	1306EFR-E-.027-2.5-*	.236 (6.0)	.512 (13.0)	.472 (12.0)	.394 (10.0)	.027	1306EFR-G-.027-4-*	.236 (6.0)	.709 (18.0)	.472 (12.0)	.591 (15.0)
.033	1306EFR-F-.033-2.5-*	.197 (5.0)	.709 (18.0)	.433 (11.0)	.591 (15.0)	.033	1306EFR-H-.033-4-*	.295 (7.5)	.709 (18.0)	.531 (13.5)	.591 (15.0)
.039	1306EFR-F-.039-2.5-*	.197 (5.0)	.709 (18.0)	.433 (11.0)	.591 (15.0)	.039	1306EFR-H-.039-4-*	.295 (7.5)	.709 (18.0)	.531 (13.5)	.591 (15.0)
.047	1306EFR-G-.047-2.5-*	.236 (6.0)	.709 (18.0)	.472 (12.0)	.591 (15.0)	.047	1306EFR-H-.047-4-*	.295 (7.5)	.709 (18.0)	.531 (13.5)	.591 (15.0)
.056	1306EFR-G-.056-2.5-*	.236 (6.0)	.709 (18.0)	.472 (12.0)	.591 (15.0)	.056	1306EFR-K-.056-4-*	.276 (7.0)	1.04 (26.5)	.630 (16.0)	.787 (20.0)
.068	1306EFR-H-.068-2.5-*	.295 (7.5)	.709 (18.0)	.531 (13.5)	.591 (15.0)	.068	1306EFR-M-.068-4-*	.276 (7.0)	1.04 (26.5)	.630 (16.0)	.787 (20.0)
.082	1306EFR-H-.082-2.5-*	.295 (7.5)	.709 (18.0)	.531 (13.5)	.591 (15.0)	.082	1306EFR-M-.082-4-*	.276 (7.0)	1.04 (26.5)	.630 (16.0)	.787 (20.0)
.1	1306EFR-J-.1-2.5-*	.236 (6.0)	1.04 (26.5)	.591 (15.0)	.787 (20.0)	.068	1306EFR-M-.068-4-*	.276 (7.0)	1.04 (26.5)	.630 (16.0)	.787 (20.0)
.1	1306EFR-L-.1-2.5-*	.236 (6.0)	1.04 (26.5)	.591 (15.0)	.886 (22.5)	.082	1306EFR-N-.082-4-*	.335 (8.5)	1.04 (26.5)	.748 (19.0)	.886 (22.5)
.12	1306EFR-K-.12-2.5-*	.276 (7.0)	1.04 (26.5)	.630 (16.0)	.787 (20.0)	.1	1306EFR-N-.1-4-*	.335 (8.5)	1.04 (26.5)	.748 (19.0)	.886 (22.5)
.12	1306EFR-M-.12-2.5-*	.276 (7.0)	1.04 (26.5)	.630 (16.0)	.886 (22.5)	.12	1306EFR-O-.12-4-*	.394 (10.0)	1.04 (26.5)	.748 (19.0)	.886 (22.5)
.15	1306EFR-N-.15-2.5-*	.335 (8.5)	1.04 (26.5)	.748 (19.0)	.886 (22.5)	.15	1306EFR-P-.15-4-*	.433 (11.0)	1.26 (32.0)	.787 (20.0)	1.08 (27.5)
.18	1306EFR-N-.18-2.5-*	.335 (8.5)	1.04 (26.5)	.748 (19.0)	.886 (22.5)	.18	1306EFR-P-.18-4-*	.433 (11.0)	1.26 (32.0)	.787 (20.0)	1.08 (27.5)
.22	1306EFR-O-.22-2.5-*	.394 (10.0)	1.04 (26.5)	.748 (19.0)	.886 (22.5)	.22	1306EFR-Q-.22-4-*	.512 (13.0)	1.26 (32.0)	.866 (22.0)	1.08 (27.5)
.27	1306EFR-O-.27-2.5-*	.394 (10.0)	1.04 (26.5)	.748 (19.0)	.886 (22.5)	.27	1306EFR-Q-.27-4-*	.512 (13.0)	1.26 (32.0)	.866 (22.0)	1.08 (27.5)
.33	1306EFR-P-.33-2.5-*	.433 (11.0)	1.26 (32.0)	.787 (20.0)	1.08 (27.5)						
.39	1306EFR-P-.39-2.5-*	.433 (11.0)	1.26 (32.0)	.787 (20.0)	1.08 (27.5)						
.47	1306EFR-Q-.47-2.5-*	.512 (13.0)	1.26 (32.0)	.866 (22.0)	1.08 (27.5)						
.56	1306EFR-Q-.56-2.5-*	.512 (13.0)	1.26 (32.0)	.866 (22.0)	1.08 (27.5)						

\* - Please insert appropriate tolerance code

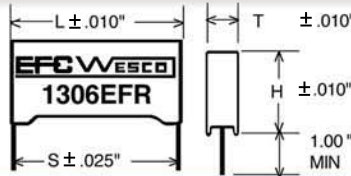


Please consult factory for special requirements, including non-standard values and sizes

**1306EFR**  
Rectangular Plastic Case  
(Radial Leads)

# Polyester and Foil Capacitors

Lead Specs -  
Tinned Copperweld  
B through E cases: 22 AWG  
F through Q cases: 20 AWG



## Dimensions and Ratings

Cap.	<b>630 VDC / 250 VAC</b>				
μF	Part #	T in. (mm)	L in. (mm)	H in. (mm)	S in. (mm)
.001	1306EFR-C--001-6.3-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)
.0012	1306EFR-C--0012-6.3-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)
.0015	1306EFR-C--0015-6.3-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)
.0022	1306EFR-C--0022-6.3-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)
.0027	1306EFR-D-.0027-6.3-*	.197 (5.0)	.512 (13.0)	.433 (11.0)	.394 (10.0)
.0039	1306EFR-E-.0039-6.3-*	.236 (6.0)	.512 (13.0)	.472 (12.0)	.394 (10.0)
.0047	1306EFR-E-.0047-6.3-*	.236 (6.0)	.512 (13.0)	.472 (12.0)	.394 (10.0)
.0056	1306EFR-F-.0056-6.3-*	.197 (5.0)	.709 (18.0)	.433 (11.0)	.591 (15.0)
.0068	1306EFR-F-.0068-6.3-*	.197 (5.0)	.709 (18.0)	.433 (11.0)	.591 (15.0)
.0082	1306EFR-F-.0082-6.3-*	.197 (5.0)	.709 (18.0)	.433 (11.0)	.591 (15.0)
.01	1306EFR-G-.01-6.3-*	.236 (6.0)	.709 (18.0)	.472 (12.0)	.591 (15.0)
.012	1306EFR-G-.012-6.3-*	.236 (6.0)	.709 (18.0)	.472 (12.0)	.591 (15.0)
.015	1306EFR-H-.015-6.3-*	.295 (7.5)	.709 (18.0)	.531 (13.5)	.591 (15.0)
.018	1306EFR-H-.018-6.3-*	.295 (7.5)	.709 (18.0)	.531 (13.5)	.591 (15.0)
.022	1306EFR-H-.022-6.3-*	.295 (7.5)	.709 (18.0)	.531 (13.5)	.591 (15.0)
.027	1306EFR-K-.027-6.3-*	.276 (7.0)	1.04 (26.5)	.630 (16.0)	.787 (20.0)
.027	1306EFR-M-.027-6.3-*	.276 (7.0)	1.04 (26.5)	.630 (16.0)	.886 (22.5)
.033	1306EFR-K-.033-6.3-*	.276 (7.0)	1.04 (26.5)	.630 (16.0)	.787 (20.0)
.033	1306EFR-M-.033-6.3-*	.276 (7.0)	1.04 (26.5)	.630 (16.0)	.886 (22.5)
.039	1306EFR-N-.039-6.3-*	.335 (8.5)	1.04 (26.5)	.748 (19.0)	.886 (22.5)
.047	1306EFR-N-.047-6.3-*	.335 (8.5)	1.04 (26.5)	.748 (19.0)	.886 (22.5)
.056	1306EFR-O-.056-6.3-*	.394 (10.0)	1.04 (26.5)	.748 (19.0)	.886 (22.5)
.068	1306EFR-O-.068-6.3-*	.394 (10.0)	1.04 (26.5)	.748 (19.0)	.886 (22.5)
.082	1306EFR-P-.082-6.3-*	.433 (11.0)	1.26 (32.0)	.787 (20.0)	1.08 (27.5)
.1	1306EFR-P-.1-6.3-*	.433 (11.0)	1.26 (32.0)	.787 (20.0)	1.08 (27.5)
.12	1306EFR-P-.12-6.3-*	.433 (11.0)	1.26 (32.0)	.787 (20.0)	1.08 (27.5)
.15	1306EFR-Q-.15-6.3-*	.512 (13.0)	1.26 (32.0)	.866 (22.0)	1.08 (27.5)

\* - Please insert appropriate tolerance code

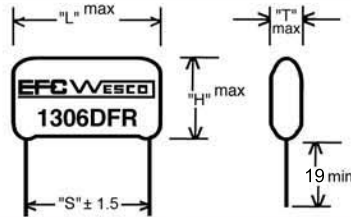


**1306DFR**  
Epoxy Dipped (Radial Leads)

**Polyester and Foil Capacitors**

Lead Specs -  
Tinned Copperweld

L	S	LEAD DIA
10.5	7.5	0.6
13.0	10.0	0.6
18.5	15.0	0.8
26.0	22.5	0.8
31.0	27.5	0.8
36.0	32.0	0.8
44.0	38.0	1.0



All dimensions  
in mm

**Dimensions and Ratings**

100 VDC					160 VDC					250 VDC				
Cap.	Part #	T	H	L	Cap.	Part #	T	H	L	Cap.	Part #	T	H	L
.001	1306DFR-3-.001-1-*	4.0	8.0	10.5	.001	1306DFR-3-.001-1.6-*	4.0	8.0	10.5	.001	1306DFR-3-.001-2.5-*	4.0	8.0	10.5
.0012	1306DFR-3-.0012-1-*	4.0	8.0	10.5	.0012	1306DFR-3-.0012-1.6-*	4.0	8.0	10.5	.0012	1306DFR-3-.0012-2.5-*	4.0	8.0	10.5
.0015	1306DFR-3-.0015-1-*	4.0	8.0	10.5	.0015	1306DFR-3-.0015-1.6-*	4.0	8.0	10.5	.0015	1306DFR-3-.0015-2.5-*	4.0	8.0	10.5
.0022	1306DFR-3-.0022-1-*	4.0	8.0	10.5	.0022	1306DFR-3-.0022-1.6-*	4.5	8.0	10.5	.0022	1306DFR-3-.0022-2.5-*	4.5	8.5	10.5
.0027	1306DFR-3-.0027-1-*	4.0	8.0	10.5	.0027	1306DFR-3-.0027-1.6-*	4.5	8.0	10.5	.0027	1306DFR-3-.0027-2.5-*	4.5	8.5	10.5
.0039	1306DFR-3-.0039-1-*	4.5	8.0	10.5	.0039	1306DFR-3-.0039-1.6-*	4.5	9.0	10.5	.0039	1306DFR-3-.0039-2.5-*	4.5	9.0	10.5
.0047	1306DFR-3-.0047-1-*	4.5	8.5	10.5	.0047	1306DFR-3-.0047-1.6-*	4.5	9.0	10.5	.0047	1306DFR-3-.0047-2.5-*	4.5	9.0	10.5
.0056	1306DFR-3-.0056-1-*	4.5	8.5	10.5	.0056	1306DFR-3-.0056-1.6-*	4.5	9.0	10.5	.0056	1306DFR-3-.0056-2.5-*	4.5	9.0	10.5
.0068	1306DFR-3-.0068-1-*	4.5	9.0	10.5	.0068	1306DFR-3-.0068-1.6-*	4.5	9.0	10.5	.0068	1306DFR-3-.0068-2.5-*	4.5	9.0	10.5
.0082	1306DFR-3-.0082-1-*	4.5	9.0	10.5	.0082	1306DFR-3-.0082-1.6-*	4.5	9.0	10.5	.0082	1306DFR-3-.0082-2.5-*	4.5	9.0	13.0
.01	1306DFR-3-.01-1-*	4.5	9.0	10.5	.01	1306DFR-3-.01-1.6-*	4.5	9.0	10.5	.01	1306DFR-3-.01-2.5-*	4.5	9.0	13.0
.012	1306DFR-3-.012-1-*	4.5	9.0	10.5	.012	1306DFR-3-.012-1.6-*	4.5	9.0	10.5	.012	1306DFR-3-.012-2.5-*	4.5	9.0	13.0
.015	1306DFR-3-.015-1-*	4.5	9.0	10.5	.015	1306DFR-3-.015-1.6-*	4.5	9.0	13.0	.015	1306DFR-3-.015-2.5-*	5.0	10.0	13.0
.018	1306DFR-3-.018-1-*	4.5	9.0	10.5	.018	1306DFR-3-.018-1.6-*	4.5	9.5	13.0	.018	1306DFR-3-.018-2.5-*	5.5	11.0	13.0
.022	1306DFR-3-.022-1-*	4.5	9.0	10.5	.022	1306DFR-3-.022-1.6-*	5.0	10.0	13.0	.022	1306DFR-3-.022-2.5-*	6.0	12.0	13.0
.027	1306DFR-3-.027-1-*	4.5	9.0	13.5	.027	1306DFR-3-.027-1.6-*	5.5	11.0	13.0	.027	1306DFR-3-.027-2.5-*	5.0	10.0	18.5
.033	1306DFR-3-.033-1-*	5.0	9.5	13.0	.033	1306DFR-3-.033-1.6-*	6.0	12.5	13.0	.033	1306DFR-3-.033-2.5-*	5.5	10.5	18.5
.039	1306DFR-3-.039-1-*	5.0	10.0	13.0	.039	1306DFR-3-.039-1.6-*	5.0	10.0	18.5	.039	1306DFR-3-.039-2.5-*	5.5	11.0	18.5
.047	1306DFR-3-.047-1-*	5.5	11.0	13.0	.047	1306DFR-3-.047-1.6-*	5.5	10.5	18.5	.047	1306DFR-3-.047-2.5-*	6.0	12.0	18.5
.056	1306DFR-3-.056-1-*	6.0	12.0	13.0	.056	1306DFR-3-.056-1.6-*	5.5	11.0	18.5	.056	1306DFR-3-.056-2.5-*	6.5	12.5	18.5
.068	1306DFR-3-.068-1-*	6.5	12.5	13.0	.068	1306DFR-3-.068-1.6-*	6.0	12.0	18.5	.068	1306DFR-3-.068-2.5-*	7.0	13.0	18.5
.082	1306DFR-3-.082-1-*	5.0	10.0	18.5	.082	1306DFR-3-.082-1.6-*	6.5	12.5	18.5	.082	1306DFR-3-.082-2.5-*	7.5	14.0	18.5
.1	1306DFR-3-.1-1-*	5.5	11.0	18.5	.1	1306DFR-3-.1-1.6-*	7.5	13.5	18.5	.1	1306DFR-3-.1-2.5-*	8.5	15.5	18.5
.12	1306DFR-3-.12-1-*	6.0	12.0	18.5	.12	1306DFR-3-.12-1.6-*	8.0	14.0	18.5	.12	1306DFR-3-.12-2.5-*	8.0	14.0	26.0
.15	1306DFR-3-.15-1-*	6.5	12.5	18.5	.15	1306DFR-3-.15-1.6-*	8.5	16.0	18.5	.15	1306DFR-3-.15-2.5-*	8.5	15.5	26.0
.18	1306DFR-3-.18-1-*	7.5	13.5	18.5	.18	1306DFR-3-.18-1.6-*	8.0	14.0	26.0	.18	1306DFR-3-.18-2.5-*	9.0	16.5	26.0
.22	1306DFR-3-.22-1-*	8.5	15.5	18.5	.22	1306DFR-3-.22-1.6-*	8.5	15.5	26.0	.22	1306DFR-3-.22-2.5-*	9.5	18.0	26.0
.27	1306DFR-3-.27-1-*	8.0	14.0	26.0	.27	1306DFR-3-.27-1.6-*	9.0	16.5	26.0	.27	1306DFR-3-.27-2.5-*	9.5	18.0	31.0
.33	1306DFR-3-.33-1-*	8.5	15.5	26.0	.33	1306DFR-3-.33-1.6-*	9.5	18.0	26.0	.33	1306DFR-3-.33-2.5-*	10.0	20.0	31.0
.39	1306DFR-3-.39-1-*	9.0	16.5	26.0	.39	1306DFR-3-.39-1.6-*	9.5	18.0	31.0	.39	1306DFR-3-.39-2.5-*	11.0	21.0	31.0
.47	1306DFR-3-.47-1-*	9.5	18.0	26.0	.47	1306DFR-3-.47-1.6-*	10.0	20.0	31.0	.47	1306DFR-3-.47-2.5-*	12.0	22.0	31.0
.56	1306DFR-3-.56-1-*	9.0	16.5	31.0	.56	1306DFR-3-.56-1.6-*	11.0	21.0	31.0	.56	1306DFR-3-.56-2.5-*	13.0	24.0	31.0
.68	1306DFR-3-.68-1-*	9.5	18.0	31.0	.68	1306DFR-3-.68-1.6-*	12.5	22.0	31.0	.68	1306DFR-3-.68-2.5-*	13.0	24.0	36.0
.82	1306DFR-3-.82-1-*	10.5	20.0	31.0	.82	1306DFR-3-.82-1.6-*	13.0	24.0	31.0	.82	1306DFR-3-.82-2.5-*	14.5	26.0	36.0
1.0	1306DFR-3-1.0-1-*	12.5	24.0	31.0	1.0	1306DFR-3-1.0-1.6-*	15.0	26.0	31.0	1.0	1306DFR-3-1.0-2.5-*	14.5	26.0	44.0

\* - Please insert appropriate tolerance code

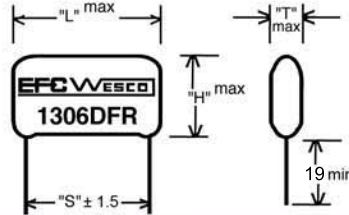


## 1306DFR Epoxy Dipped (Radial Leads)

## Polyester and Foil Capacitors

Lead Specs -  
Tinned Copperweld

L	S	LEAD DIA
10.5	7.5	0.6
13.0	10.0	0.6
18.5	15.0	0.8
26.0	22.5	0.8
31.0	27.5	0.8
36.0	32.0	0.8
44.0	38.0	1.0



All dimensions  
in mm

## Dimensions and Ratings

400 VDC					630 VDC					1000 VDC				
Cap.	Part #	T	H	L	Cap.	Part #	T	H	L	Cap.	Part #	T	H	L
.001	1306DFR-3-.001-4-*	4.0	8.0	10.5	.001	1306DFR-3-.001-6.3-*	4.0	9.0	10.5	.001	1306DFR-3-.001-10-*	4.5	9.0	13.0
.0012	1306DFR-3-.0012-4-*	4.0	9.0	10.5	.0012	1306DFR-3-.0012-6.3-*	4.0	9.0	10.5	.0012	1306DFR-3-.0012-10-*	4.5	9.5	13.0
.0015	1306DFR-3-.0015-4-*	4.5	9.0	10.5	.0015	1306DFR-3-.0015-6.3-*	4.5	9.5	10.5	.0015	1306DFR-3-.0015-10-*	5.0	10.0	13.0
.0022	1306DFR-3-.0022-4-*	4.5	9.0	10.5	.0022	1306DFR-3-.0022-6.3-*	4.5	9.5	13.0	.0022	1306DFR-3-.0022-10-*	5.5	11.0	13.0
.0027	1306DFR-3-.0027-4-*	4.5	9.0	10.5	.0027	1306DFR-3-.0027-6.3-*	5.0	10.0	13.0	.0027	1306DFR-3-.0027-10-*	5.5	11.5	13.0
.0039	1306DFR-3-.0039-4-*	4.5	9.0	10.5	.0039	1306DFR-3-.0039-6.3-*	5.5	11.0	13.0	.0039	1306DFR-3-.0039-10-*	6.0	12.5	13.0
.0047	1306DFR-3-.0047-4-*	4.5	9.5	10.5	.0047	1306DFR-3-.0047-6.3-*	6.0	12.0	13.0	.0047	1306DFR-3-.0047-10-*	5.5	11.0	18.5
.0056	1306DFR-3-.0056-4-*	4.5	9.5	13.0	.0056	1306DFR-3-.0056-6.3-*	6.5	12.5	13.0	.0056	1306DFR-3-.0056-10-*	6.0	11.5	18.5
.0068	1306DFR-3-.0068-4-*	5.0	10.0	13.0	.0068	1306DFR-3-.0068-6.3-*	5.0	10.0	18.5	.0068	1306DFR-3-.0068-10-*	6.0	12.5	18.5
.0082	1306DFR-3-.0082-4-*	5.5	10.5	13.0	.0082	1306DFR-3-.0082-6.3-*	5.5	11.0	18.5	.0082	1306DFR-3-.0082-10-*	7.0	13.0	18.5
.01	1306DFR-3-.01-4-*	5.5	11.0	13.0	.01	1306DFR-3-.01-6.3-*	6.0	12.0	18.5	.01	1306DFR-3-.01-10-*	7.5	14.0	18.5
.012	1306DFR-3-.012-4-*	6.0	12.0	13.0	.012	1306DFR-3-.012-6.3-*	6.5	12.5	18.5	.012	1306DFR-3-.012-10-*	8.0	14.5	18.5
.015	1306DFR-3-.015-4-*	6.5	12.5	13.0	.015	1306DFR-3-.015-6.3-*	7.0	13.0	18.5	.015	1306DFR-3-.015-10-*	9.0	16.5	18.5
.018	1306DFR-3-.018-4-*	5.5	11.0	18.5	.018	1306DFR-3-.018-6.3-*	7.5	13.5	18.5	.018	1306DFR-3-.018-10-*	8.0	14.0	26.0
.022	1306DFR-3-.022-4-*	6.0	12.0	18.5	.022	1306DFR-3-.022-6.3-*	8.0	14.5	18.5	.022	1306DFR-3-.022-10-*	8.5	15.5	26.0
.027	1306DFR-3-.027-4-*	6.5	12.5	18.5	.027	1306DFR-3-.027-6.3-*	7.5	13.5	26.0	.027	1306DFR-3-.027-10-*	9.0	16.5	26.0
.033	1306DFR-3-.033-4-*	7.5	13.5	18.5	.033	1306DFR-3-.033-6.3-*	8.5	15.5	26.0	.033	1306DFR-3-.033-10-*	9.5	18.0	26.0
.039	1306DFR-3-.039-4-*	8.0	14.0	18.5	.039	1306DFR-3-.039-6.3-*	9.0	16.5	26.0	.039	1306DFR-3-.039-10-*	10.0	19.0	26.0
.047	1306DFR-3-.047-4-*	8.5	15.5	18.5	.047	1306DFR-3-.047-6.3-*	9.5	18.0	26.0	.047	1306DFR-3-.047-10-*	10.0	19.0	31.0
.056	1306DFR-3-.056-4-*	7.5	13.5	26.0	.056	1306DFR-3-.056-6.3-*	9.0	16.5	31.0	.056	1306DFR-3-.056-10-*	10.5	20.0	31.0
.068	1306DFR-3-.068-4-*	8.0	14.0	26.0	.068	1306DFR-3-.068-6.3-*	9.5	17.0	31.0	.068	1306DFR-3-.068-10-*	12.0	22.0	31.0
.082	1306DFR-3-.082-4-*	8.5	15.5	26.0	.082	1306DFR-3-.082-6.3-*	10.0	19.0	31.0	.082	1306DFR-3-.082-10-*	12.5	23.0	31.0
.1	1306DFR-3-.1-4-*	9.0	16.5	26.0	.1	1306DFR-3-.1-6.3-*	10.5	20.0	31.0	.1	1306DFR-3-.1-10-*	15.0	27.0	31.0
.12	1306DFR-3-.12-4-*	9.5	18.0	26.0	.12	1306DFR-3-.12-6.3-*	11.5	22.0	31.0	.12	1306DFR-3-.12-10-*	13.5	24.0	36.0
.15	1306DFR-3-.15-4-*	9.5	18.0	31.0	.15	1306DFR-3-.15-6.3-*	14.0	24.0	31.0	.15	1306DFR-3-.15-10-*	15.0	27.0	36.0
.18	1306DFR-3-.18-4-*	10.0	19.0	31.0	.18	1306DFR-3-.18-6.3-*	13.0	23.0	36.0	.18	1306DFR-3-.18-10-*	14.5	26.0	44.0
.22	1306DFR-3-.22-4-*	11.5	20.0	31.0	.22	1306DFR-3-.22-6.3-*	15.0	26.0	36.0	.22	1306DFR-3-.22-10-*	16.0	28.0	44.0
.27	1306DFR-3-.27-4-*	12.5	22.0	31.0	.27	1306DFR-3-.27-6.3-*	16.0	28.0	36.0					
.33	1306DFR-3-.33-4-*	13.0	23.0	36.0	.33	1306DFR-3-.33-6.3-*	16.0	28.0	44.0					
.39	1306DFR-3-.39-4-*	13.5	25.0	36.0	.39	1306DFR-3-.39-6.3-*	16.5	30.0	44.0					
.47	1306DFR-3-.47-4-*	15.0	27.0	36.0	.47	1306DFR-3-.47-6.3-*	18.0	32.0	44.0					
.56	1306DFR-3-.56-4-*	14.0	25.0	44.0										
.68	1306DFR-3-.68-4-*	15.0	27.0	44.0										
.82	1306DFR-3-.82-4-*	16.5	30.0	44.0										
1.0	1306DFR-3-1.0-4-*	18.0	32.0	44.0										

\* - Please insert appropriate tolerance code