

Series 2113 Metallized Polyphenylene Sulfide

Features: Flame retardant to UL94, miniature size, long term stability, high insulation resistance, low dissipation factor, high temperature rating.

Applications: Timing circuits, filters, replacement for Polycarbonate Film.

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

Specifications

1) Temperature Range

-55°C to +125°C at rated voltage.

2) Capacitance

0.001μF to 2μF

3) Dielectric Strength

At 25°C, 150% 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 for voltages greater than 75 VDC, and 15,000 Megohm-Microfarads, but need not exceed 50,000 Megohms for 75 VDC or less.

5) Humidity Resistance

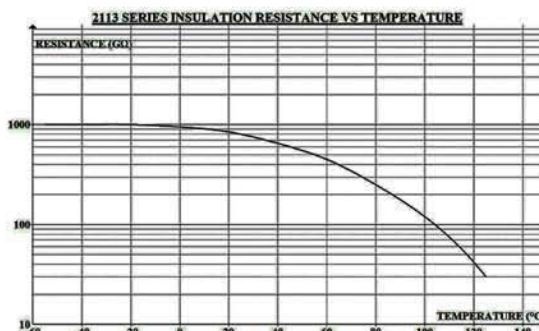
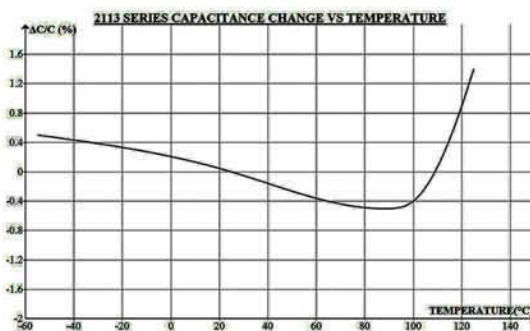
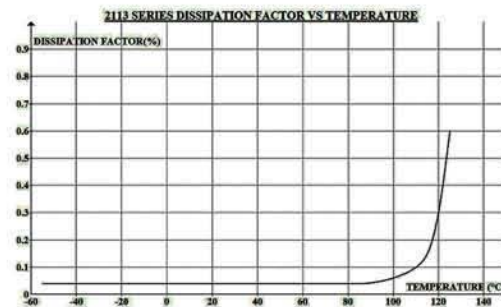
Series 2113 shall meet the requirements of MIL-STD. 202, Method 103B.

6) Dissipation Factor

Shall be 0.3% max. when measured at 1KHz and 25°C.

7) Life Test

Will withstand the application of 140% rated voltage at + 125°C for 250 hours with not more than one failure in 12 permitted.



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 (μ 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



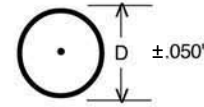
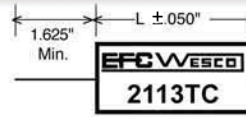
Please consult factory for special requirements, including non-standard values and sizes

2113TC Tubular Wrap & Fill

Metallized Polyphenylene Sulfide Capacitors

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

Dimensions and Ratings



50 VDC				75 VDC				100 VDC			
Cap.	Part #	D	L	Cap.	Part #	D	L	Cap.	Part #	D	L
.001	2113TC-3-.001-0-*	.180	.406	.001	2113TC-3-.001-.75-*	.180	.406	.001	2113TC-3-.001-1-*	.180	.406
.0012	2113TC-3-.0012-0-*	.180	.406	.0012	2113TC-3-.0012-.75-*	.180	.406	.0012	2113TC-3-.0012-1-*	.180	.406
.0015	2113TC-3-.0015-0-*	.180	.406	.0015	2113TC-3-.0015-.75-*	.180	.406	.0015	2113TC-3-.0015-1-*	.180	.406
.0022	2113TC-3-.0022-0-*	.180	.406	.0022	2113TC-3-.0022-.75-*	.180	.406	.0022	2113TC-3-.0022-1-*	.180	.406
.0027	2113TC-3-.0027-0-*	.180	.406	.0027	2113TC-3-.0027-.75-*	.180	.406	.0027	2113TC-3-.0027-1-*	.180	.406
.0039	2113TC-3-.0039-0-*	.180	.406	.0039	2113TC-3-.0039-.75-*	.180	.406	.0039	2113TC-3-.0039-1-*	.180	.406
.0047	2113TC-3-.0047-0-*	.180	.406	.0047	2113TC-3-.0047-.75-*	.180	.406	.0047	2113TC-3-.0047-1-*	.180	.406
.0056	2113TC-3-.0056-0-*	.180	.406	.0056	2113TC-3-.0056-.75-*	.180	.406	.0056	2113TC-3-.0056-1-*	.180	.406
.0068	2113TC-3-.0068-0-*	.180	.406	.0068	2113TC-3-.0068-.75-*	.180	.406	.0068	2113TC-3-.0068-1-*	.180	.406
.0082	2113TC-3-.0082-0-*	.180	.406	.0082	2113TC-3-.0082-.75-*	.180	.406	.0082	2113TC-3-.0082-1-*	.180	.406
.01	2113TC-3-.01-0-*	.180	.406	.01	2113TC-3-.01-.75-*	.180	.406	.01	2113TC-3-.01-1-*	.180	.406
.012	2113TC-3-.012-0-*	.180	.406	.012	2113TC-3-.012-.75-*	.180	.406	.012	2113TC-3-.012-1-*	.180	.406
.015	2113TC-3-.015-0-*	.180	.406	.015	2113TC-3-.015-.75-*	.180	.406	.015	2113TC-3-.015-1-*	.180	.406
.018	2113TC-3-.018-0-*	.180	.406	.018	2113TC-3-.018-.75-*	.180	.406	.018	2113TC-3-.018-1-*	.180	.406
.022	2113TC-3-.022-0-*	.180	.406	.022	2113TC-3-.022-.75-*	.180	.406	.022	2113TC-3-.022-1-*	.180	.406
.027	2113TC-3-.027-0-*	.180	.406	.027	2113TC-3-.027-.75-*	.180	.406	.027	2113TC-3-.027-1-*	.180	.406
.033	2113TC-3-.033-0-*	.180	.406	.033	2113TC-3-.033-.75-*	.180	.406	.033	2113TC-3-.033-1-*	.180	.406
.039	2113TC-3-.039-0-*	.180	.406	.039	2113TC-3-.039-.75-*	.180	.406	.039	2113TC-3-.039-1-*	.180	.406
.047	2113TC-3-.047-0-*	.180	.406	.047	2113TC-3-.047-.75-*	.180	.406	.047	2113TC-3-.047-1-*	.190	.406
.056	2113TC-3-.056-0-*	.180	.406	.056	2113TC-3-.056-.75-*	.180	.406	.056	2113TC-3-.056-1-*	.210	.406
.068	2113TC-3-.068-0-*	.180	.406	.068	2113TC-3-.068-.75-*	.200	.406	.068	2113TC-3-.068-1-*	.230	.406
.082	2113TC-3-.082-0-*	.180	.406	.082	2113TC-3-.082-.75-*	.220	.406	.082	2113TC-3-.082-1-*	.200	.468
.1	2113TC-3-.1-0-*	.180	.406	.1	2113TC-3-.1-.75-*	.240	.406	.1	2113TC-3-.1-1-*	.220	.468
.12	2113TC-3-.12-0-*	.190	.406	.12	2113TC-3-.12-.75-*	.260	.406	.12	2113TC-3-.12-1-*	.240	.468
.15	2113TC-3-.15-0-*	.200	.406	.15	2113TC-3-.15-.75-*	.230	.468	.15	2113TC-3-.15-1-*	.220	.531
.18	2113TC-3-.18-0-*	.220	.406	.18	2113TC-3-.18-.75-*	.250	.468	.18	2113TC-3-.18-1-*	.240	.531
.22	2113TC-3-.22-0-*	.240	.406	.22	2113TC-3-.22-.75-*	.270	.468	.22	2113TC-3-.22-1-*	.270	.531
.27	2113TC-3-.27-0-*	.210	.468	.27	2113TC-3-.27-.75-*	.300	.468	.27	2113TC-3-.27-1-*	.240	.656
.33	2113TC-3-.33-0-*	.230	.468	.33	2113TC-3-.33-.75-*	.330	.468	.33	2113TC-3-.33-1-*	.260	.656
.39	2113TC-3-.39-0-*	.250	.468	.39	2113TC-3-.39-.75-*	.300	.531	.39	2113TC-3-.39-1-*	.280	.656
.47	2113TC-3-.47-0-*	.230	.531	.47	2113TC-3-.47-.75-*	.330	.531	.47	2113TC-3-.47-1-*	.310	.656
.56	2113TC-3-.56-0-*	.250	.531	.56	2113TC-3-.56-.75-*	.360	.531	.56	2113TC-3-.56-1-*	.340	.656
.68	2113TC-3-.68-0-*	.280	.531	.68	2113TC-3-.68-.75-*	.390	.531	.68	2113TC-3-.68-1-*	.342	.781
.82	2113TC-3-.82-0-*	.300	.531	.82	2113TC-3-.82-.75-*	.350	.656	.82	2113TC-3-.82-1-*	.350	.781
1.0	2113TC-3-1.0-0-*	.330	.531	1.0	2113TC-3-1.0-.75-*	.380	.656	1.0	2113TC-3-1.0-1-*	.390	.781
1.25	2113TC-3-1.25-0-*	.300	.656	1.25	2113TC-3-1.25-.75-*	.430	.656	1.25	2113TC-3-1.25-1-*	.430	.781
1.5	2113TC-3-1.5-0-*	.330	.656	1.5	2113TC-3-1.5-.75-*	.470	.656	1.5	2113TC-3-1.5-1-*	.420	.906
2.0	2113TC-3-2.0-0-*	.380	.656	2.0	2113TC-3-2.0-.75-*	.460	.781	2.0	2113TC-3-2.0-1-*	.480	.906
3.0	2113TC-3-3.0-0-*	.400	.781	3.0	2113TC-3-3.0-.75-*	.560	.781	3.0	2113TC-3-3.0-1-*	.500	1.190
4.0	2113TC-3-4.0-0-*	.460	.781	4.0	2113TC-3-4.0-.75-*	.580	.906	4.0	2113TC-3-4.0-1-*	.570	1.190
5.0	2113TC-3-5.0-0-*	.450	.906	5.0	2113TC-3-5.0-.75-*	.650	.906	5.0	2113TC-3-5.0-1-*	.560	1.440
6.0	2113TC-3-6.0-0-*	.500	.906	6.0	2113TC-3-6.0-.75-*	.590	1.190	6.0	2113TC-3-6.0-1-*	.610	1.440
8.0	2113TC-3-8.0-0-0-*	.490	1.190	8.0	2113TC-3-8.0-0-.75-*	.680	1.190	8.0	2113TC-3-8.0-0-1-*	.710	1.440
10.0	2113TC-3-10.0-0-*	.540	1.190	10.0	2113TC-3-10.0-.75-*	.680	1.440	10.0	2113TC-3-10.0-1-*	.750	1.570
12.0	2113TC-3-12.0-0-*	.590	1.190	12.0	2113TC-3-12.0-.75-*	.740	1.440	12.0	2113TC-3-12.0-1-*	.820	1.570
15.0	2113TC-3-15.0-0-*	.580	1.440					15.0	2113TC-3-15.0-1-*	.870	1.690
20.0	2113TC-3-20.0-0-*	.670	1.440					20.0	2113TC-3-20.0-1-*	.920	1.940

* - Please insert appropriate tolerance code



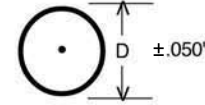
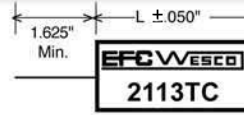
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2113TC Tubular Wrap & Fill

Metallized Polyphenylene Sulfide Capacitors

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

Dimensions and Ratings



Cap.	160 VDC		
μF	Part #	D	L
.001	2113TC-3-.001-1.6-*	.200	.406
.0012	2113TC-3-.0012-1.6-*	.200	.406
.0015	2113TC-3-.0015-1.6-*	.200	.406
.0022	2113TC-3-.0022-1.6-*	.200	.406
.0027	2113TC-3-.0027-1.6-*	.200	.406
.0039	2113TC-3-.0039-1.6-*	.200	.406
.0047	2113TC-3-.0047-1.6-*	.200	.406
.0056	2113TC-3-.0056-1.6-*	.200	.406
.0068	2113TC-3-.0068-1.6-*	.200	.406
.0082	2113TC-3-.0082-1.6-*	.200	.406
.01	2113TC-3-.01-1.6-*	.200	.406
.012	2113TC-3-.012-1.6-*	.200	.406
.015	2113TC-3-.015-1.6-*	.200	.406
.018	2113TC-3-.018-1.6-*	.200	.406
.022	2113TC-3-.022-1.6-*	.210	.406
.027	2113TC-3-.027-1.6-*	.220	.406
.033	2113TC-3-.033-1.6-*	.240	.406
.039	2113TC-3-.039-1.6-*	.260	.406
.047	2113TC-3-.047-1.6-*	.200	.531
.056	2113TC-3-.056-1.6-*	.210	.531
.068	2113TC-3-.068-1.6-*	.230	.531
.082	2113TC-3-.082-1.6-*	.250	.531
.1	2113TC-3-.1-1.6-*	.270	.531
.12	2113TC-3-.12-1.6-*	.290	.531
.15	2113TC-3-.15-1.6-*	.270	.656
.18	2113TC-3-.18-1.6-*	.290	.656
.22	2113TC-3-.22-1.6-*	.310	.656
.27	2113TC-3-.27-1.6-*	.350	.656
.33	2113TC-3-.33-1.6-*	.380	.656
.39	2113TC-3-.39-1.6-*	.360	.781
.47	2113TC-3-.47-1.6-*	.390	.781
.56	2113TC-3-.56-1.6-*	.420	.781
.68	2113TC-3-.68-1.6-*	.410	.906
.82	2113TC-3-.82-1.6-*	.450	.906
1.0	2113TC-3-1.0-1.6-*	.430	1.190
1.25	2113TC-3-1.25-1.6-*	.470	1.190
1.5	2113TC-3-1.5-1.6-*	.510	1.190
2.0	2113TC-3-2.0-1.6-*	.590	1.190
3.0	2113TC-3-3.0-1.6-*	.630	1.440
4.0	2113TC-3-4.0-1.6-*	.720	1.406
5.0	2113TC-3-5.0-1.6-*	.760	1.570
6.0	2113TC-3-6.0-1.6-*	.830	1.570
8.0	2113TC-3-8.0-1.6-*	.870	1.690
10.0	2113TC-3-10.0-1.6-*	.970	1.820
12.0	2113TC-3-12.0-1.6-*	1.020	1.820
15.0	2113TC-3-15.0-1.6-*	1.130	1.940
20.0	2113TC-3-20.0-1.6-*	1.300	1.940

Cap.	200 VDC		
μF	Part #	D	L
.001	2113TC-3-.001-2-*	.200	.406
.0012	2113TC-3-.0012-2-*	.200	.406
.0015	2113TC-3-.0015-2-*	.200	.406
.0022	2113TC-3-.0022-2-*	.200	.406
.0027	2113TC-3-.0027-2-*	.200	.406
.0039	2113TC-3-.0039-2-*	.200	.406
.0047	2113TC-3-.0047-2-*	.200	.406
.0056	2113TC-3-.0056-2-*	.200	.406
.0068	2113TC-3-.0068-2-*	.200	.406
.0082	2113TC-3-.0082-2-*	.200	.406
.01	2113TC-3-.01-2-*	.200	.406
.012	2113TC-3-.012-2-*	.200	.406
.015	2113TC-3-.015-2-*	.200	.406
.018	2113TC-3-.018-2-*	.220	.406
.022	2113TC-3-.022-2-*	.240	.406
.027	2113TC-3-.027-2-*	.260	.406
.033	2113TC-3-.033-2-*	.200	.531
.039	2113TC-3-.039-2-*	.210	.531
.047	2113TC-3-.047-2-*	.230	.531
.056	2113TC-3-.056-2-*	.250	.531
.068	2113TC-3-.068-2-*	.270	.531
.082	2113TC-3-.082-2-*	.290	.531
.1	2113TC-3-.1-2-*	.320	.531
.12	2113TC-3-.12-2-*	.350	.531
.15	2113TC-3-.15-2-*	.310	.656
.18	2113TC-3-.18-2-*	.340	.656
.22	2113TC-3-.22-2-*	.370	.656
.27	2113TC-3-.27-2-*	.410	.656
.33	2113TC-3-.33-2-*	.390	.781
.39	2113TC-3-.39-2-*	.420	.781
.47	2113TC-3-.47-2-*	.410	.906
.56	2113TC-3-.56-2-*	.450	.906
.68	2113TC-3-.68-2-*	.490	.906
.82	2113TC-3-.82-2-*	.460	1.190
1.0	2113TC-3-1.0-2-*	.500	1.190
1.25	2113TC-3-1.25-2-*	.560	1.190
1.5	2113TC-3-1.5-2-*	.610	1.190
2.0	2113TC-3-2.0-2-*	.610	1.440
3.0	2113TC-3-3.0-2-*	.740	1.440
4.0	2113TC-3-4.0-2-*	.810	1.570
5.0	2113TC-3-5.0-2-*	.860	1.690
6.0	2113TC-3-6.0-2-*	.900	1.820
8.0	2113TC-3-8.0-2-*	1.040	1.820
10.0	2113TC-3-10.0-2-*	1.110	1.940
12.0	2113TC-3-12.0-2-*	1.130	2.250
15.0	2113TC-3-15.0-2-*	1.260	2.250

* - Please insert appropriate tolerance code



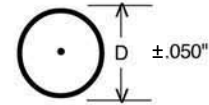
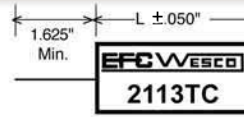
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2113TC
Tubular Wrap & Fill

**Metallized
Polyphenylene
Sulfide Capacitors**

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

Dimensions and Ratings



Cap.		400 VDC		
μF	Part #	D	L	
.001	2113TC-3-.001-4-*	.200	.406	
.0012	2113TC-3-.0012-4-*	.200	.406	
.0015	2113TC-3-.0015-4-*	.200	.406	
.0022	2113TC-3-.0022-4-*	.200	.406	
.0027	2113TC-3-.0027-4-*	.200	.406	
.0039	2113TC-3-.0039-4-*	.200	.406	
.0047	2113TC-3-.0047-4-*	.200	.406	
.0056	2113TC-3-.0056-4-*	.200	.406	
.0068	2113TC-3-.0068-4-*	.220	.406	
.0082	2113TC-3-.0082-4-*	.240	.406	
.01	2113TC-3-.01-4-*	.260	.406	
.012	2113TC-3-.012-4-*	.200	.531	
.015	2113TC-3-.015-4-*	.220	.531	
.018	2113TC-3-.018-4-*	.230	.531	
.022	2113TC-3-.022-4-*	.250	.531	
.027	2113TC-3-.027-4-*	.270	.531	
.033	2113TC-3-.033-4-*	.300	.531	
.039	2113TC-3-.039-4-*	.270	.656	
.047	2113TC-3-.047-4-*	.290	.656	
.056	2113TC-3-.056-4-*	.320	.656	
.068	2113TC-3-.068-4-*	.340	.656	
.082	2113TC-3-.082-4-*	.370	.656	
.1	2113TC-3-.1-4-*	.360	.781	
.12	2113TC-3-.12-4-*	.390	.781	
.15	2113TC-3-.15-4-*	.430	.781	
.18	2113TC-3-.18-4-*	.420	.906	
.22	2113TC-3-.22-4-*	.460	.906	
.27	2113TC-3-.27-4-*	.510	.906	
.33	2113TC-3-.33-4-*	.560	.906	
.39	2113TC-3-.39-4-*	.510	1.190	
.47	2113TC-3-.47-4-*	.560	1.190	
.56	2113TC-3-.56-4-*	.600	1.190	
.68	2113TC-3-.68-4-*	.660	1.190	
.82	2113TC-3-.82-4-*	.640	1.440	
1.0	2113TC-3-1.0-4-*	.700	1.440	
1.25	2113TC-3-1.25-4-*	.780	1.440	
1.5	2113TC-3-1.5-4-*	.810	1.570	
2.0	2113TC-3-2.0-4-*	.890	1.690	
3.0	2113TC-3-3.0-4-*	.990	1.940	
4.0	2113TC-3-4.0-4-*	1.140	1.940	
5.0	2113TC-3-5.0-4-*	1.180	2.250	

Cap.		600 VDC		
μF	Part #	D	L	
.001	2113TC-3-.001-6-*	.200	.531	
.0012	2113TC-3-.0012-6-*	.200	.531	
.0015	2113TC-3-.0015-6-*	.200	.531	
.0022	2113TC-3-.0022-6-*	.200	.531	
.0027	2113TC-3-.0027-6-*	.200	.531	
.0039	2113TC-3-.0039-6-*	.200	.531	
.0047	2113TC-3-.0047-6-*	.200	.531	
.0056	2113TC-3-.0056-6-*	.210	.531	
.0068	2113TC-3-.0068-6-*	.230	.531	
.0082	2113TC-3-.0082-6-*	.250	.531	
.01	2113TC-3-.01-6-*	.270	.531	
.012	2113TC-3-.012-6-*	.290	.531	
.015	2113TC-3-.015-6-*	.320	.531	
.018	2113TC-3-.018-6-*	.290	.656	
.022	2113TC-3-.022-6-*	.310	.656	
.027	2113TC-3-.027-6-*	.340	.656	
.033	2113TC-3-.033-6-*	.370	.656	
.039	2113TC-3-.039-6-*	.360	.781	
.047	2113TC-3-.047-6-*	.390	.781	
.056	2113TC-3-.056-6-*	.420	.781	
.068	2113TC-3-.068-6-*	.460	.781	
.082	2113TC-3-.082-6-*	.450	.906	
.1	2113TC-3-.1-6-*	.490	.906	
.12	2113TC-3-.12-6-*	.530	.906	
.15	2113TC-3-.15-6-*	.510	1.190	
.18	2113TC-3-.18-6-*	.550	1.190	
.22	2113TC-3-.22-6-*	.600	1.190	
.27	2113TC-3-.27-6-*	.670	1.190	
.33	2113TC-3-.33-6-*	.650	1.440	
.39	2113TC-3-.39-6-*	.700	1.440	
.47	2113TC-3-.47-6-*	.760	1.440	
.56	2113TC-3-.56-6-*	.790	1.570	
.68	2113TC-3-.68-6-*	.870	1.570	
.82	2113TC-3-.82-6-*	.910	1.690	
1.0	2113TC-3-1.0-6-*	.920	1.940	
1.25	2113TC-3-1.25-6-*	1.020	1.940	
1.5	2113TC-3-1.5-6-*	1.040	2.250	
2.0	2113TC-3-2.0-6-*	1.200	2.250	

* - Please insert appropriate tolerance code

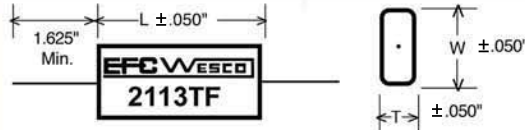


2113TF Oval Wrap & Fill

Metallized Polyphenylene Sulfide 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	2113TF-3-.001-0-*	.120	.210	.406
.0012	2113TF-3-.0012-0-*	.120	.210	.406
.0015	2113TF-3-.0015-0-*	.120	.210	.406
.0022	2113TF-3-.0022-0-*	.120	.210	.406
.0027	2113TF-3-.0027-0-*	.120	.210	.406
.0039	2113TF-3-.0039-0-*	.120	.210	.406
.0047	2113TF-3-.0047-0-*	.120	.210	.406
.0056	2113TF-3-.0056-0-*	.120	.210	.406
.0068	2113TF-3-.0068-0-*	.120	.210	.406
.0082	2113TF-3-.0082-0-*	.120	.210	.406
.01	2113TF-3-.01-0-*	.120	.210	.406
.012	2113TF-3-.012-0-*	.120	.210	.406
.015	2113TF-3-.015-0-*	.120	.210	.406
.018	2113TF-3-.018-0-*	.120	.210	.406
.022	2113TF-3-.022-0-*	.120	.210	.406
.027	2113TF-3-.027-0-*	.120	.210	.406
.033	2113TF-3-.033-0-*	.120	.210	.406
.039	2113TF-3-.039-0-*	.120	.210	.406
.047	2113TF-3-.047-0-*	.120	.210	.406
.056	2113TF-3-.056-0-*	.120	.210	.406
.068	2113TF-3-.068-0-*	.120	.210	.406
.082	2113TF-3-.082-0-*	.120	.210	.406
.1	2113TF-3-.1-0-*	.120	.210	.406
.12	2113TF-3-.12-0-*	.130	.220	.406
.15	2113TF-3-.15-0-*	.140	.240	.406
.18	2113TF-3-.18-0-*	.160	.260	.406
.22	2113TF-3-.22-0-*	.180	.280	.406
.27	2113TF-3-.27-0-*	.130	.250	.468
.33	2113TF-3-.33-0-*	.170	.270	.468
.39	2113TF-3-.39-0-*	.190	.290	.468
.47	2113TF-3-.47-0-*	.170	.270	.531
.56	2113TF-3-.56-0-*	.190	.290	.531
.68	2113TF-3-.68-0-*	.220	.310	.531
.82	2113TF-3-.82-0-*	.240	.340	.531
1.0	2113TF-3-1.0-0-*	.270	.370	.531
1.25	2113TF-3-1.25-0-*	.240	.330	.656
1.5	2113TF-3-1.5-0-*	.270	.360	.656
2.0	2113TF-3-2.0-0-*	.320	.410	.656
3.0	2113TF-3-3.0-0-*	.320	.440	.781
4.0	2113TF-3-4.0-0-*	.380	.500	.781
5.0	2113TF-3-5.0-0-*	.370	.500	.906
6.0	2113TF-3-6.0-0-*	.420	.540	.906
8.0	2113TF-3-8.0-0-0-*	.380	.550	1.190
10.0	2113TF-3-10.0-0-*	.440	.600	1.190
12.0	2113TF-3-12.0-0-*	.480	.650	1.190
15.0	2113TF-3-15.0-0-*	.470	.640	1.440
20.0	2113TF-3-20.0-0-*	.560	.730	1.440

Cap.	75 VDC			
μF	Part #	T	W	L
.001	2113TF-3-.001-.75-*	.120	.210	.406
.0012	2113TF-3-.0012-.75-*	.120	.210	.406
.0015	2113TF-3-.0015-.75-*	.120	.210	.406
.0022	2113TF-3-.0022-.75-*	.120	.210	.406
.0027	2113TF-3-.0027-.75-*	.120	.210	.406
.0039	2113TF-3-.0039-.75-*	.120	.210	.406
.0047	2113TF-3-.0047-.75-*	.120	.210	.406
.0056	2113TF-3-.0056-.75-*	.120	.210	.406
.0068	2113TF-3-.0068-.75-*	.120	.210	.406
.0082	2113TF-3-.0082-.75-*	.120	.210	.406
.01	2113TF-3-.01-.75-*	.120	.210	.406
.012	2113TF-3-.012-.75-*	.120	.210	.406
.015	2113TF-3-.015-.75-*	.120	.210	.406
.018	2113TF-3-.018-.75-*	.120	.210	.406
.022	2113TF-3-.022-.75-*	.120	.210	.406
.027	2113TF-3-.027-.75-*	.120	.210	.406
.033	2113TF-3-.033-.75-*	.120	.210	.406
.039	2113TF-3-.039-.75-*	.120	.210	.406
.047	2113TF-3-.047-.75-*	.120	.210	.406
.056	2113TF-3-.056-.75-*	.120	.220	.406
.068	2113TF-3-.068-.75-*	.140	.230	.406
.082	2113TF-3-.082-.75-*	.160	.250	.406
.1	2113TF-3-.1-.75-*	.180	.270	.406
.12	2113TF-3-.12-.75-*	.200	.290	.406
.15	2113TF-3-.15-.75-*	.170	.290	.468
.18	2113TF-3-.18-.75-*	.190	.280	.468
.22	2113TF-3-.22-.75-*	.210	.300	.468
.27	2113TF-3-.27-.75-*	.240	.330	.468
.33	2113TF-3-.33-.75-*	.270	.360	.468
.39	2113TF-3-.39-.75-*	.240	.340	.531
.47	2113TF-3-.47-.75-*	.270	.360	.531
.56	2113TF-3-.56-.75-*	.300	.390	.531
.68	2113TF-3-.68-.75-*	.330	.430	.531
.82	2113TF-3-.82-.75-*	.290	.380	.656
1.0	2113TF-3-1.0-.75-*	.320	.420	.656
1.25	2113TF-3-1.25-.75-*	.370	.460	.656
1.5	2113TF-3-1.5-.75-*	.410	.500	.656
2.0	2113TF-3-2.0-.75-*	.380	.510	.781
3.0	2113TF-3-3.0-.75-*	.480	.610	.781
4.0	2113TF-3-4.0-.75-*	.500	.620	.906
5.0	2113TF-3-5.0-.75-*	.570	.690	.906
6.0	2113TF-3-6.0-.75-*	.510	.640	1.190
8.0	2113TF-3-8.0-0-.75-*	.600	.730	1.190
10.0	2113TF-3-10.0-.75-*	.570	.740	1.440
12.0	2113TF-3-12.0-.75-*	.630	.800	1.440

* - Please insert appropriate tolerance code

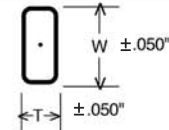
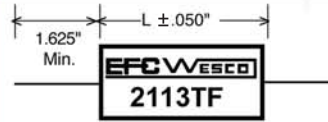


2113TF Oval Wrap & Fill

Metallized Polyphenylene Sulfide Capacitors

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

Dimensions and Ratings



Cap.	100 VDC			
	µF	Part #	T	W
.001	2113TF-3-001-1-*	.120	.210	.406
.0012	2113TF-3-0012-1-*	.120	.210	.406
.0015	2113TF-3-0015-1-*	.120	.210	.406
.0022	2113TF-3-0022-1-*	.120	.210	.406
.0027	2113TF-3-0027-1-*	.120	.210	.406
.0039	2113TF-3-0039-1-*	.120	.210	.406
.0047	2113TF-3-0047-1-*	.120	.210	.406
.0056	2113TF-3-0056-1-*	.120	.210	.406
.0068	2113TF-3-0068-1-*	.120	.210	.406
.0082	2113TF-3-0082-1-*	.120	.210	.406
.01	2113TF-3-01-1-*	.120	.210	.406
.012	2113TF-3-012-1-*	.120	.210	.406
.015	2113TF-3-015-1-*	.120	.210	.406
.018	2113TF-3-018-1-*	.120	.210	.406
.022	2113TF-3-022-1-*	.120	.210	.406
.027	2113TF-3-027-1-*	.120	.210	.406
.033	2113TF-3-033-1-*	.120	.210	.406
.039	2113TF-3-039-1-*	.120	.210	.406
.047	2113TF-3-047-1-*	.130	.230	.406
.056	2113TF-3-056-1-*	.150	.240	.406
.068	2113TF-3-068-1-*	.170	.260	.406
.082	2113TF-3-082-1-*	.140	.230	.468
.1	2113TF-3-1-1-*	.160	.250	.468
.12	2113TF-3-12-1-*	.180	.270	.468
.15	2113TF-3-15-1-*	.160	.260	.531
.18	2113TF-3-18-1-*	.180	.280	.531
.22	2113TF-3-22-1-*	.210	.300	.531
.27	2113TF-3-27-1-*	.180	.270	.656
.33	2113TF-3-33-1-*	.200	.290	.656
.39	2113TF-3-39-1-*	.220	.320	.656
.47	2113TF-3-47-1-*	.250	.340	.656
.56	2113TF-3-56-1-*	.280	.370	.656
.68	2113TF-3-68-1-*	.240	.370	.781
.82	2113TF-3-82-1-*	.270	.400	.781
1.0	2113TF-3-1.0-1-*	.310	.430	.781
1.25	2113TF-3-1.25-1-*	.350	.470	.781
1.5	2113TF-3-1.5-1-*	.340	.460	.906
2.0	2113TF-3-2.0-1-*	.400	.530	.906
3.0	2113TF-3-3.0-1-*	.390	.560	1.190
4.0	2113TF-3-4.0-1-*	.470	.630	1.190
5.0	2113TF-3-5.0-1-*	.460	.620	1.440
6.0	2113TF-3-6.0-1-*	.510	.670	1.440
8.0	2113TF-3-8.0-1-*	.600	.770	1.440
10.0	2113TF-3-10.0-1-*	.620	.820	1.570
12.0	2113TF-3-12.0-1-*	.690	.840	1.570
15.0	2113TF-3-15.0-1-*	.750	.890	1.690
20.0	2113TF-3-20.0-1-*	.800	.990	1.940

Cap.	160 VDC			
	µF	Part #	T	W
.001	2113TF-3-001-1.6-*	.120	.210	.406
.0012	2113TF-3-0012-1.6-*	.120	.210	.406
.0015	2113TF-3-0015-1.6-*	.120	.210	.406
.0022	2113TF-3-0022-1.6-*	.120	.210	.406
.0027	2113TF-3-0027-1.6-*	.120	.210	.406
.0039	2113TF-3-0039-1.6-*	.120	.210	.406
.0047	2113TF-3-0047-1.6-*	.120	.210	.406
.0056	2113TF-3-0056-1.6-*	.120	.210	.406
.0068	2113TF-3-0068-1.6-*	.120	.210	.406
.0082	2113TF-3-0082-1.6-*	.120	.210	.406
.01	2113TF-3-01-1.6-*	.120	.210	.406
.012	2113TF-3-012-1.6-*	.120	.210	.406
.015	2113TF-3-015-1.6-*	.120	.210	.406
.018	2113TF-3-018-1.6-*	.120	.210	.406
.022	2113TF-3-022-1.6-*	.130	.220	.406
.027	2113TF-3-027-1.6-*	.140	.240	.406
.033	2113TF-3-033-1.6-*	.160	.260	.406
.039	2113TF-3-039-1.6-*	.180	.270	.406
.047	2113TF-3-047-1.6-*	.120	.210	.531
.056	2113TF-3-056-1.6-*	.130	.230	.531
.068	2113TF-3-068-1.6-*	.150	.240	.531
.082	2113TF-3-082-1.6-*	.170	.260	.531
.1	2113TF-3-1-1.6-*	.190	.290	.531
.12	2113TF-3-12-1.6-*	.210	.310	.531
.15	2113TF-3-15-1.6-*	.190	.280	.656
.18	2113TF-3-18-1.6-*	.210	.300	.656
.22	2113TF-3-22-1.6-*	.230	.330	.656
.27	2113TF-3-27-1.6-*	.270	.360	.656
.33	2113TF-3-33-1.6-*	.300	.390	.656
.39	2113TF-3-39-1.6-*	.260	.380	.781
.47	2113TF-3-47-1.6-*	.290	.420	.781
.56	2113TF-3-56-1.6-*	.320	.450	.781
.68	2113TF-3-68-1.6-*	.310	.440	.906
.82	2113TF-3-82-1.6-*	.350	.480	.906
1.0	2113TF-3-1.0-1.6-*	.300	.470	1.190
1.25	2113TF-3-1.25-1.6-*	.350	.510	1.190
1.5	2113TF-3-1.5-1.6-*	.390	.550	1.190
2.0	2113TF-3-2.0-1.6-*	.460	.630	1.190
3.0	2113TF-3-3.0-1.6-*	.500	.670	1.440
4.0	2113TF-3-4.0-1.6-*	.590	.760	1.440
5.0	2113TF-3-5.0-1.6-*	.630	.800	1.570
6.0	2113TF-3-6.0-1.6-*	.700	.870	1.570
8.0	2113TF-3-8.0-0.0-1.6-*	.720	.920	1.690
10.0	2113TF-3-10.0-1.6-*	.820	1.020	1.820
12.0	2113TF-3-12.0-1.6-*	.870	1.070	1.820
15.0	2113TF-3-15.0-1.6-*	.990	1.180	1.940
20.0	2113TF-3-20.0-1.6-*	1.160	1.350	1.940

* - Please insert appropriate tolerance code

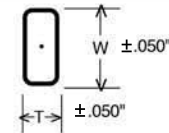


2113TF
Oval Wrap & Fill

**Metallized
Polyphenylene
Sulfide Capacitors**

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

**Dimensions
and Ratings**



Cap.	200 VDC			
μF	Part #	T	W	L
.001	2113TF-3-.001-2*	.140	.230	.406
.0012	2113TF-3-.0012-2*	.140	.230	.406
.0015	2113TF-3-.0015-2*	.140	.230	.406
.0022	2113TF-3-.0022-2*	.140	.230	.406
.0027	2113TF-3-.0027-2*	.140	.230	.406
.0039	2113TF-3-.0039-2*	.140	.230	.406
.0047	2113TF-3-.0047-2*	.140	.230	.406
.0056	2113TF-3-.0056-2*	.140	.230	.406
.0068	2113TF-3-.0068-2*	.140	.230	.406
.0082	2113TF-3-.0082-2*	.140	.230	.406
.01	2113TF-3-.01-2*	.140	.230	.406
.012	2113TF-3-.012-2*	.140	.230	.406
.015	2113TF-3-.015-2*	.140	.230	.406
.018	2113TF-3-.018-2*	.160	.250	.406
.022	2113TF-3-.022-2*	.180	.270	.406
.027	2113TF-3-.027-2*	.200	.290	.406
.033	2113TF-3-.033-2*	.140	.230	.531
.039	2113TF-3-.039-2*	.150	.250	.531
.047	2113TF-3-.047-2*	.170	.260	.531
.056	2113TF-3-.056-2*	.190	.280	.531
.068	2113TF-3-.068-2*	.210	.300	.531
.082	2113TF-3-.082-2*	.230	.330	.531
.1	2113TF-3-.1-2*	.260	.350	.531
.12	2113TF-3-.12-2*	.290	.380	.531
.15	2113TF-3-.15-2*	.250	.350	.656
.18	2113TF-3-.18-2*	.280	.370	.656
.22	2113TF-3-.22-2*	.310	.410	.656
.27	2113TF-3-.27-2*	.350	.440	.656
.33	2113TF-3-.33-2*	.310	.440	.781
.39	2113TF-3-.39-2*	.340	.470	.781
.47	2113TF-3-.47-2*	.330	.460	.906
.56	2113TF-3-.56-2*	.370	.490	.906
.68	2113TF-3-.68-2*	.410	.540	.906
.82	2113TF-3-.82-2*	.350	.520	1.190
1.0	2113TF-3-1.0-2*	.400	.560	1.190
1.25	2113TF-3-1.25-2*	.450	.620	1.190
1.5	2113TF-3-1.5-2*	.500	.670	1.190
2.0	2113TF-3-2.0-2*	.510	.670	1.440
3.0	2113TF-3-3.0-2*	.640	.800	1.440
4.0	2113TF-3-4.0-2*	.700	.870	1.570
5.0	2113TF-3-5.0-2*	.740	.930	1.690
6.0	2113TF-3-6.0-2*	.780	.970	1.820
8.0	2113TF-3-8.0-2*	.910	1.110	1.920
10.0	2113TF-3-10.0-2*	.980	1.180	1.940
12.0	2113TF-3-12.0-2*	1.000	1.200	2.250
15.0	2113TF-3	1.120	1.330	2.250

Cap.	400 VDC			
μF	Part #	T	W	L
.001	2113TF-3-.001-4*	.140	.230	.406
.0012	2113TF-3-.0012-4*	.140	.230	.406
.0015	2113TF-3-.0015-4*	.140	.230	.406
.0022	2113TF-3-.0022-4*	.140	.230	.406
.0027	2113TF-3-.0027-4*	.140	.230	.406
.0039	2113TF-3-.0039-4*	.140	.230	.406
.0047	2113TF-3-.0047-4*	.140	.230	.406
.0056	2113TF-3-.0056-4*	.140	.240	.406
.0068	2113TF-3-.0068-4*	.160	.250	.406
.0082	2113TF-3-.0082-4*	.180	.270	.406
.01	2113TF-3-.01-4*	.200	.290	.406
.012	2113TF-3-.012-4*	.140	.230	.531
.015	2113TF-3-.015-4*	.160	.250	.531
.018	2113TF-3-.018-4*	.170	.270	.531
.022	2113TF-3-.022-4*	.190	.290	.531
.027	2113TF-3-.027-4*	.210	.310	.531
.033	2113TF-3-.033-4*	.240	.330	.531
.039	2113TF-3-.039-4*	.210	.300	.656
.047	2113TF-3-.047-4*	.210	.340	.656
.056	2113TF-3-.056-4*	.240	.360	.656
.068	2113TF-3-.068-4*	.260	.390	.656
.082	2113TF-3-.082-4*	.290	.420	.656
.1	2113TF-3-.1-4*	.280	.400	.781
.12	2113TF-3-.12-4*	.310	.430	.781
.15	2113TF-3-.15-4*	.330	.490	.781
.18	2113TF-3-.18-4*	.320	.480	.906
.22	2113TF-3-.22-4*	.360	.520	.906
.27	2113TF-3-.27-4*	.400	.570	.906
.33	2113TF-3-.33-4*	.450	.620	.906
.39	2113TF-3-.39-4*	.400	.570	1.190
.47	2113TF-3-.47-4*	.450	.620	1.190
.56	2113TF-3-.56-4*	.500	.660	1.190
.68	2113TF-3-.68-4*	.550	.720	1.190
.82	2113TF-3-.82-4*	.520	.710	1.440
1.0	2113TF-3-1.0-4*	.580	.780	1.440
1.25	2113TF-3-1.25-4*	.660	.850	1.440
1.5	2113TF-3-1.5-4*	.680	.880	1.570
2.0	2113TF-3-2.0-4*	.760	.960	1.690
3.0	2113TF-3-3.0-4*	.870	1.060	1.940
4.0	2113TF-3-4.0-4*	.910	1.210	1.940
5.0	2113TF-3-5.0-4*	1.060	1.250	2.250

* - Please insert appropriate tolerance code

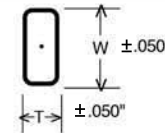
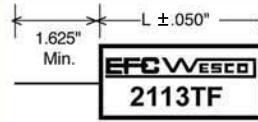


2113TF
Oval Wrap & Fill

**Metallized
Polyphenylene
Sulfide Capacitors**

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

**Dimensions
and Ratings**



Cap.	600 VDC			
μF	Part #	T	W	L
.001	2113TF-3-.001-6-*	.140	.230	.531
.0012	2113TF-3-.0012-6-*	.140	.230	.531
.0015	2113TF-3-.0015-6-*	.140	.230	.531
.0022	2113TF-3-.0022-6-*	.140	.230	.531
.0027	2113TF-3-.0027-6-*	.140	.230	.531
.0039	2113TF-3-.0039-6-*	.140	.230	.531
.0047	2113TF-3-.0047-6-*	.140	.230	.531
.0056	2113TF-3-.0056-6-*	.150	.250	.531
.0068	2113TF-3-.0068-6-*	.170	.260	.531
.0082	2113TF-3-.0082-6-*	.190	.280	.531
.01	2113TF-3-.01-6-*	.210	.300	.531
.012	2113TF-3-.012-6-*	.230	.330	.531
.015	2113TF-3-.015-6-*	.260	.360	.531
.018	2113TF-3-.018-6-*	.230	.320	.656
.022	2113TF-3-.022-6-*	.250	.350	.656
.027	2113TF-3-.027-6-*	.280	.380	.656
.033	2113TF-3-.033-6-*	.310	.410	.656
.039	2113TF-3-.039-6-*	.280	.400	.781
.047	2113TF-3-.047-6-*	.310	.430	.781
.056	2113TF-3-.056-6-*	.340	.460	.781
.068	2113TF-3-.068-6-*	.380	.500	.781
.082	2113TF-3-.082-6-*	.370	.490	.906
.1	2113TF-3-.1-6-*	.410	.530	.906
.12	2113TF-3-.12-6-*	.450	.580	.906
.15	2113TF-3-.15-6-*	.400	.570	1.190
.18	2113TF-3-.18-6-*	.450	.610	1.190
.22	2113TF-3-.22-6-*	.500	.670	1.190
.27	2113TF-3-.27-6-*	.560	.730	1.190
.33	2113TF-3-.33-6-*	.540	.710	1.440
.39	2113TF-3-.39-6-*	.590	.760	1.440
.47	2113TF-3-.47-6-*	.660	.830	1.440
.56	2113TF-3-.56-6-*	.680	.850	1.570
.68	2113TF-3-.68-6-*	.760	.930	1.570
.82	2113TF-3-.82-6-*	.780	.980	1.690
1.0	2113TF-3-1.0-6-*	.790	.990	1.940
1.25	2113TF-3-1.25-6-*	.900	1.090	1.940
1.5	2113TF-3-1.5-6-*	.920	1.110	2.250
2.0	2113TF-3-2.0-6-*	1.070	1.270	2.250

* - Please insert appropriate tolerance code



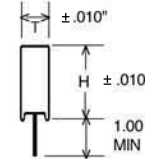
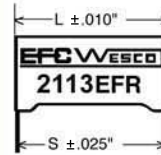
Please consult factory for special requirements, including non-standard values and sizes

2113EFR
Rectangular Plastic Case
(Radial Leads)

**Metallized
Polyphenylene
Sulfide Capacitors**

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

**Dimensions
and Ratings**



63 VDC / 40 VAC					
Cap.	Part #	T	L	H	S
µF		in. (mm)	in. (mm)	in. (mm)	in. (mm)
.001	2113EFR-B-001-63-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.0012	2113EFR-B-0012-63-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.0015	2113EFR-B-0015-63-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.0022	2113EFR-B-0022-63-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.0027	2113EFR-B-0027-63-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.0039	2113EFR-B-0039-63-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.0047	2113EFR-B-0047-63-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.0056	2113EFR-B-0056-63-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.0068	2113EFR-B-0068-63-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.0082	2113EFR-B-0082-63-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.01	2113EFR-B-01-63-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.012	2113EFR-B-012-63-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.015	2113EFR-B-015-63-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.018	2113EFR-B-018-63-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.022	2113EFR-B-022-63-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.027	2113EFR-B-027-63-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.033	2113EFR-B-033-63-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.039	2113EFR-B-039-63-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.047	2113EFR-B-047-63-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.056	2113EFR-B-056-63-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.068	2113EFR-B-068-63-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.082	2113EFR-B-082-63-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.1	2113EFR-C-1-63-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)
.12	2113EFR-C-12-63-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)
.15	2113EFR-C-15-63-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)
.18	2113EFR-C-18-63-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)
.22	2113EFR-D-22-63-*	.197 (5.0)	.512 (13.0)	.433 (11.0)	.394 (10.0)
.27	2113EFR-D-27-63-*	.197 (5.0)	.512 (13.0)	.433 (11.0)	.394 (10.0)
.33	2113EFR-D-33-63-*	.197 (5.0)	.512 (13.0)	.433 (11.0)	.394 (10.0)
.39	2113EFR-D-39-63-*	.197 (5.0)	.512 (13.0)	.433 (11.0)	.394 (10.0)
.47	2113EFR-E-47-63-*	.236 (6.0)	.512 (13.0)	.472 (12.0)	.394 (10.0)
.56	2113EFR-F-56-63-*	.197 (5.0)	.709 (18.0)	.433 (11.0)	.591 (15.0)
.68	2113EFR-F-68-63-*	.197 (5.0)	.709 (18.0)	.433 (11.0)	.591 (15.0)
.82	2113EFR-G-82-63-*	.236 (6.0)	.709 (18.0)	.472 (12.0)	.591 (15.0)
1.0	2113EFR-G-1.0-63-*	.236 (6.0)	.709 (18.0)	.472 (12.0)	.591 (15.0)
1.20	2113EFR-H-1.2-63-*	.295 (7.5)	.709 (18.0)	.531 (13.5)	.591 (15.0)
1.50	2113EFR-J-1.5-63-*	.236 (6.0)	1.04 (26.5)	.591 (15.0)	.787 (20.0)
1.50	2113EFR-L-1.5-63-*	.236 (6.0)	1.04 (26.5)	.591 (15.0)	.886 (22.5)
2.20	2113EFR-J-2.2-63-*	.236 (6.0)	1.04 (26.5)	.591 (15.0)	.787 (20.0)
2.20	2113EFR-L-2.2-63-*	.236 (6.0)	1.04 (26.5)	.591 (15.0)	.886 (22.5)
3.30	2113EFR-K-3.3-63-*	.276 (7.0)	1.04 (26.5)	.630 (16.0)	.787 (20.0)
3.30	2113EFR-M-3.3-63-*	.276 (7.0)	1.04 (26.5)	.630 (16.0)	.886 (22.5)
4.70	2113EFR-N-4.7-63-*	.335 (8.5)	1.04 (26.5)	.642 (16.3)	.886 (22.5)
5.60	2113EFR-P-5.6-63-*	.335 (8.5)	1.04 (26.5)	.642 (16.3)	.886 (22.5)

100 VDC / 63 VAC					
Cap.	Part #	T	L	H	S
µF		in. (mm)	in. (mm)	in. (mm)	in. (mm)
.001	2113EFR-B-001-1-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.0012	2113EFR-B-0012-1-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.0015	2113EFR-B-0015-1-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.0022	2113EFR-B-0022-1-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.0027	2113EFR-B-0027-1-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.0039	2113EFR-B-0039-1-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.0047	2113EFR-B-0047-1-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.0056	2113EFR-B-0056-1-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.0068	2113EFR-B-0068-1-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.0082	2113EFR-B-0082-1-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.01	2113EFR-B-01-1-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.012	2113EFR-B-012-1-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.015	2113EFR-B-015-1-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.018	2113EFR-B-018-1-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.022	2113EFR-B-022-1-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.027	2113EFR-B-027-1-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.033	2113EFR-B-033-1-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.039	2113EFR-B-039-1-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.047	2113EFR-B-047-1-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.056	2113EFR-C-056-1-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)
.068	2113EFR-C-068-1-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)
.082	2113EFR-C-082-1-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)
.1	2113EFR-C-1-1-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)
.12	2113EFR-D-12-1-*	.197 (5.0)	.512 (13.0)	.433 (11.0)	.394 (10.0)
.15	2113EFR-D-15-1-*	.197 (5.0)	.512 (13.0)	.433 (11.0)	.394 (10.0)
.18	2113EFR-E-18-1-*	.236 (6.0)	.512 (13.0)	.472 (12.0)	.394 (10.0)
.22	2113EFR-E-22-1-*	.236 (6.0)	.512 (13.0)	.472 (12.0)	.394 (10.0)
.27	2113EFR-F-27-1-*	.197 (5.0)	.709 (18.0)	.433 (11.0)	.591 (15.0)
.33	2113EFR-F-33-1-*	.197 (5.0)	.709 (18.0)	.433 (11.0)	.591 (15.0)
.39	2113EFR-G-39-1-*	.236 (6.0)	.709 (18.0)	.472 (12.0)	.591 (15.0)
.47	2113EFR-G-47-1-*	.236 (6.0)	.709 (18.0)	.472 (12.0)	.591 (15.0)
.56	2113EFR-H-56-1-*	.295 (7.5)	.709 (18.0)	.531 (13.5)	.591 (15.0)
.68	2113EFR-H-68-1-*	.295 (7.5)	.709 (18.0)	.531 (13.5)	.591 (15.0)
.82	2113EFR-H-82-1-*	.295 (7.5)	.709 (18.0)	.531 (13.5)	.591 (15.0)
1.0	2113EFR-K-1.0-1-*	.276 (7.0)	1.04 (26.5)	.630 (16.0)	.787 (20.0)
1.20	2113EFR-M-1.0-1-*	.276 (7.0)	1.04 (26.5)	.630 (16.0)	.886 (22.5)
1.50	2113EFR-K-1.25-1-*	.276 (7.0)	1.04 (26.5)	.630 (16.0)	.787 (20.0)
1.50	2113EFR-M-1.25-1-*	.276 (7.0)	1.04 (26.5)	.630 (16.0)	.886 (22.5)
2.20	2113EFR-K-1.5-1-*	.276 (7.0)	1.04 (26.5)	.630 (16.0)	.787 (20.0)
2.20	2113EFR-M-1.5-1-*	.276 (7.0)	1.04 (26.5)	.630 (16.0)	.886 (22.5)
3.30	2113EFR-N-2.2-1-*	.335 (8.5)	1.04 (26.5)	.642 (16.3)	.886 (22.5)
3.30	2113EFR-P-3.3-1-*	.433 (11.0)	1.26 (32.0)	.787 (20.0)	1.08 (27.5)
4.70	2113EFR-P-4.7-1-*	.433 (11.0)	1.26 (32.0)	.787 (20.0)	1.08 (27.5)
5.60	2113EFR-Q-5.6-1-*	.433 (11.0)	1.26 (32.0)	.787 (20.0)	1.08 (27.5)

* - Please insert appropriate tolerance code



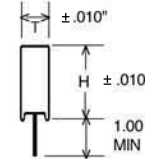
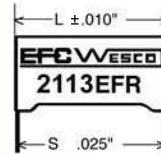
Please consult factory for special requirements, including non-standard values and sizes

2113EFR
Rectangular Plastic Case
(Radial Leads)

Metallized Polyphenylene Sulfide Capacitors

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

Dimensions and Ratings



160 VDC / 100 VAC						250 VDC / 160 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	2113EFR-B-.001-1.6-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)	.001	2113EFR-B-.001-2.5-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.0012	2113EFR-B-.0012-1.6-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)	.0012	2113EFR-B-.0012-2.5-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.0015	2113EFR-B-.0015-1.6-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)	.0015	2113EFR-B-.0015-2.5-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.0022	2113EFR-B-.0022-1.6-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)	.0022	2113EFR-B-.0022-2.5-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.0027	2113EFR-B-.0027-1.6-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)	.0027	2113EFR-B-.0027-2.5-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.0039	2113EFR-B-.0039-1.6-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)	.0039	2113EFR-B-.0039-2.5-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.0047	2113EFR-B-.0047-1.6-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)	.0047	2113EFR-B-.0047-2.5-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.0056	2113EFR-B-.0056-1.6-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)	.0056	2113EFR-B-.0056-2.5-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.0068	2113EFR-B-.0068-1.6-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)	.0068	2113EFR-B-.0068-2.5-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.0082	2113EFR-B-.0082-1.6-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)	.0082	2113EFR-B-.0082-2.5-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.01	2113EFR-B-.01-1.6-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)	.01	2113EFR-B-.01-2.5-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.012	2113EFR-B-.012-1.6-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)	.012	2113EFR-B-.012-2.5-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.015	2113EFR-B-.015-1.6-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)	.015	2113EFR-B-.015-2.5-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.018	2113EFR-B-.018-1.6-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)	.018	2113EFR-C-.018-2.5-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)
.022	2113EFR-B-.022-1.6-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)	.022	2113EFR-C-.022-2.5-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)
.027	2113EFR-B-.027-1.6-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)	.027	2113EFR-C-.027-2.5-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)
.033	2113EFR-B-.033-1.6-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)	.033	2113EFR-C-.033-2.5-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)
.039	2113EFR-B-.039-1.6-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)	.039	2113EFR-C-.039-2.5-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)
.047	2113EFR-B-.047-1.6-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)	.047	2113EFR-C-.047-2.5-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)
.056	2113EFR-C-.056-1.6-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)	.056	2113EFR-D-.056-2.5-*	.197 (5.0)	.512 (13.0)	.433 (11.0)	.394 (10.0)
.068	2113EFR-C-.068-1.6-*	.197 (5.0)	.512 (13.0)	.433 (11.0)	.394 (10.0)	.068	2113EFR-D-.068-2.5-*	.197 (5.0)	.512 (13.0)	.433 (11.0)	.394 (10.0)
.082	2113EFR-C-.082-1.6-*	.197 (5.0)	.512 (13.0)	.433 (11.0)	.394 (10.0)	.082	2113EFR-D-.082-2.5-*	.197 (5.0)	.512 (13.0)	.433 (11.0)	.394 (10.0)
.1	2113EFR-C-.1-1.6-*	.197 (5.0)	.512 (13.0)	.433 (11.0)	.394 (10.0)	.1	2113EFR-D-.1-2.5-*	.197 (5.0)	.512 (13.0)	.433 (11.0)	.394 (10.0)
.12	2113EFR-D-.12-1.6-*	.197 (5.0)	.512 (13.0)	.433 (11.0)	.394 (10.0)	.12	2113EFR-D-.12-2.5-*	.197 (5.0)	.512 (13.0)	.433 (11.0)	.394 (10.0)
.15	2113EFR-D-.15-1.6-*	.236 (6.0)	.512 (13.0)	.472 (12.0)	.394 (10.0)	.15	2113EFR-D-.15-2.5-*	.197 (5.0)	.512 (13.0)	.433 (11.0)	.394 (10.0)
.18	2113EFR-E-.18-1.6-*	.236 (6.0)	.512 (13.0)	.472 (12.0)	.394 (10.0)	.18	2113EFR-G-.18-2.5-*	.236 (6.0)	.709 (18.0)	.472 (12.0)	.591 (15.0)
.22	2113EFR-E-.22-1.6-*	.236 (6.0)	.512 (13.0)	.472 (12.0)	.394 (10.0)	.22	2113EFR-G-.22-2.5-*	.236 (6.0)	.709 (18.0)	.472 (12.0)	.591 (15.0)
.27	2113EFR-F-.27-1.6-*	.197 (5.0)	.709 (18.0)	.433 (11.0)	.591 (15.0)	.27	2113EFR-H-.27-2.5-*	.295 (7.5)	.709 (18.0)	.531 (13.5)	.591 (15.0)
.33	2113EFR-F-.33-1.6-*	.197 (5.0)	.709 (18.0)	.433 (11.0)	.591 (15.0)	.33	2113EFR-H-.33-2.5-*	.295 (7.5)	.709 (18.0)	.531 (13.5)	.591 (15.0)
.39	2113EFR-G-.39-1.6-*	.236 (6.0)	.709 (18.0)	.472 (12.0)	.591 (15.0)	.39	2113EFR-K-.39-2.5-*	.276 (7.0)	1.04 (26.5)	.630 (16.0)	.787 (20.0)
.47	2113EFR-G-.47-1.6-*	.236 (6.0)	.709 (18.0)	.472 (12.0)	.591 (15.0)	.47	2113EFR-M-.47-2.5-*	.276 (7.0)	1.04 (26.5)	.630 (16.0)	.886 (22.5)
.56	2113EFR-H-.56-1.6-*	.295 (7.5)	.709 (18.0)	.531 (13.5)	.591 (15.0)	.47	2113EFR-K-.47-2.5-*	.276 (7.0)	1.04 (26.5)	.630 (16.0)	.787 (20.0)
.68	2113EFR-H-.68-1.6-*	.295 (7.5)	.709 (18.0)	.531 (13.5)	.591 (15.0)	.47	2113EFR-M-.47-2.5-*	.276 (7.0)	1.04 (26.5)	.630 (16.0)	.886 (22.5)
.82	2113EFR-H-.82-1.6-*	.236 (6.0)	1.04 (26.5)	.591 (15.0)	.787 (20.0)	.56	2113EFR-O-.56-2.5-*	.394 (10.0)	1.04 (26.5)	.748 (19.0)	.886 (22.5)
.82	2113EFR-K-.82-1.6-*	.236 (6.0)	1.04 (26.5)	.591 (15.0)	.886 (22.5)	.68	2113EFR-O-.68-2.5-*	.394 (10.0)	1.04 (26.5)	.748 (19.0)	.886 (22.5)
1.0	2113EFR-M-1.0-1.6-*	.236 (6.0)	1.04 (26.5)	.591 (15.0)	.787 (20.0)	.82	2113EFR-O-.82-2.5-*	.394 (10.0)	1.04 (26.5)	.748 (19.0)	.886 (22.5)
1.0	2113EFR-K-1.0-1.6-*	.236 (6.0)	1.04 (26.5)	.591 (15.0)	.886 (22.5)	1.0	2113EFR-O-1.0-2.5-*	.394 (10.0)	1.04 (26.5)	.748 (19.0)	.886 (22.5)
1.25	2113EFR-M-1.25-1.6-*	.276 (7.0)	1.04 (26.5)	.630 (16.0)	.787 (20.0)	1.25	2113EFR-P-1.25-2.5-*	.433 (11.0)	1.26 (32.0)	.787 (20.0)	1.08 (27.5)
1.25	2113EFR-K-1.25-1.6-*	.276 (7.0)	1.04 (26.5)	.630 (16.0)	.886 (22.5)	1.50	2113EFR-P-1.5-2.5-*	.433 (11.0)	1.26 (32.0)	.787 (20.0)	1.08 (27.5)
1.50	2113EFR-M-1.5-1.6-*	.335 (8.5)	1.04 (26.5)	.642 (16.3)	.886 (22.5)	2.20	2113EFR-Q-2.2-2.5-*	.512 (13.0)	1.26 (32.0)	.866 (22.0)	1.08 (27.5)
2.20	2113EFR-N-2.2-1.6-*	.433 (11.0)	1.26 (32.0)	.787 (20.0)	1.08 (27.5)						
3.30	2113EFR-P-3.3-1.6-*	.512 (13.0)	1.26 (32.0)	.866 (22.0)	1.08 (27.5)						

* - Please insert appropriate tolerance code



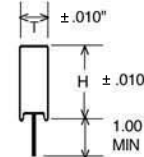
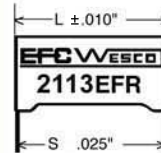
Please consult factory for special requirements, including non-standard values and sizes

2113EFR
Rectangular Plastic Case
(Radial Leads)

**Metallized
Polyphenylene
Sulfide Capacitors**

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

Dimensions and Ratings



Cap.	400 VDC / 220 VAC				
µF	Part #	T in. (mm)	L in. (mm)	H in. (mm)	S in. (mm)
.001	2113EFR-B-.001-4-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.0012	2113EFR-B-.0012-4-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.0015	2113EFR-B-.0015-4-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.0022	2113EFR-B-.0022-4-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.0027	2113EFR-B-.0027-4-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.0039	2113EFR-B-.0039-4-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.0047	2113EFR-B-.0047-4-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.0056	2113EFR-B-.0056-4-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.0068	2113EFR-B-.0068-4-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.0082	2113EFR-B-.0082-4-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.01	2113EFR-B-.01-4-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.012	2113EFR-B-.012-4-*	.157 (4.0)	.413 (10.5)	.354 (9.0)	.295 (7.5)
.015	2113EFR-C-.015-4-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)
.018	2113EFR-C-.018-4-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)
.022	2113EFR-C-.022-4-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)
.027	2113EFR-C-.027-4-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)
.033	2113EFR-D-.033-4-*	.197 (5.0)	.512 (13.0)	.433 (11.0)	.394 (10.0)
.039	2113EFR-D-.039-4-*	.197 (5.0)	.512 (13.0)	.433 (11.0)	.394 (10.0)
.047	2113EFR-D-.047-4-*	.197 (5.0)	.512 (13.0)	.433 (11.0)	.394 (10.0)
.056	2113EFR-E-.056-4-*	.236 (6.0)	.512 (13.0)	.472 (12.0)	.394 (10.0)
.068	2113EFR-E-.068-4-*	.236 (6.0)	.512 (13.0)	.472 (12.0)	.394 (10.0)
.082	2113EFR-F-.082-4-*	.197 (5.0)	.709 (18.0)	.433 (11.0)	.591 (15.0)
.1	2113EFR-G-.1-4-*	.236 (6.0)	.709 (18.0)	.472 (12.0)	.591 (15.0)
.12	2113EFR-H-.12-4-*	.295 (7.5)	.709 (18.0)	.531 (13.5)	.591 (15.0)
.15	2113EFR-H-.15-4-*	.295 (7.5)	.709 (18.0)	.531 (13.5)	.591 (15.0)
.18	2113EFR-J-.18-4-*	.236 (6.0)	1.04 (26.5)	.591 (15.0)	.787 (20.0)
.18	2113EFR-L-.18-4-*	.236 (6.0)	1.04 (26.5)	.591 (15.0)	.886 (22.5)
.22	2113EFR-K-.22-4-*	.276 (7.0)	1.04 (26.5)	.630 (16.0)	.787 (20.0)
.22	2113EFR-M-.22-4-*	.276 (7.0)	1.04 (26.5)	.630 (16.0)	.886 (22.5)
.27	2113EFR-K-.27-4-*	.276 (7.0)	1.04 (26.5)	.630 (16.0)	.787 (20.0)
.27	2113EFR-M-.27-4-*	.276 (7.0)	1.04 (26.5)	.630 (16.0)	.886 (22.5)
.33	2113EFR-N-.33-4-*	.335 (8.5)	1.04 (26.5)	.642 (16.3)	.886 (22.5)
.39	2113EFR-N-.39-4-*	.335 (8.5)	1.04 (26.5)	.642 (16.3)	.886 (22.5)
.47	2113EFR-O-.47-4-*	.394 (10.0)	1.04 (26.5)	.748 (19.0)	.886 (22.5)
.56	2113EFR-O-.56-4-*	.433 (11.0)	1.26 (32.0)	.787 (20.0)	1.08 (27.5)
.68	2113EFR-O-.68-4-*	.433 (11.0)	1.26 (32.0)	.787 (20.0)	1.08 (27.5)

Cap.	630 VDC / 250 VAC				
µF	Part #	T in. (mm)	L in. (mm)	H in. (mm)	S in. (mm)
.001	2113EFR-C-.001-6.3-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)
.0012	2113EFR-C-.0012-6.3-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)
.0015	2113EFR-C-.0015-6.3-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)
.0022	2113EFR-C-.0022-6.3-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)
.0027	2113EFR-C-.0027-6.3-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)
.0039	2113EFR-C-.0039-6.3-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)
.0047	2113EFR-C-.0047-6.3-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)
.0056	2113EFR-C-.0056-6.3-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)
.0068	2113EFR-C-.0068-6.3-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)
.0082	2113EFR-C-.0082-6.3-*	.157 (4.0)	.512 (13.0)	.354 (9.0)	.394 (10.0)
.01	2113EFR-D-.01-6.3-*	.197 (5.0)	.512 (13.0)	.433 (11.0)	.394 (10.0)
.012	2113EFR-D-.012-6.3-*	.197 (5.0)	.512 (13.0)	.433 (11.0)	.394 (10.0)
.015	2113EFR-E-.015-6.3-*	.236 (6.0)	.512 (13.0)	.472 (12.0)	.394 (10.0)
.018	2113EFR-E-.018-6.3-*	.236 (6.0)	.512 (13.0)	.472 (12.0)	.394 (10.0)
.022	2113EFR-F-.022-6.3-*	.197 (5.0)	.709 (18.0)	.433 (11.0)	.591 (15.0)
.027	2113EFR-G-.027-6.3-*	.236 (6.0)	.709 (18.0)	.472 (12.0)	.591 (15.0)
.033	2113EFR-G-.033-6.3-*	.236 (6.0)	.709 (18.0)	.472 (12.0)	.591 (15.0)
.039	2113EFR-H-.039-6.3-*	.295 (7.5)	.709 (18.0)	.531 (13.5)	.591 (15.0)
.047	2113EFR-H-.047-6.3-*	.295 (7.5)	.709 (18.0)	.531 (13.5)	.591 (15.0)
.056	2113EFR-J-.056-6.3-*	.236 (6.0)	1.04 (26.5)	.591 (15.0)	.787 (20.0)
.056	2113EFR-L-.056-6.3-*	.236 (6.0)	1.04 (26.5)	.591 (15.0)	.886 (22.5)
.068	2113EFR-J-.068-6.3-*	.236 (6.0)	1.04 (26.5)	.591 (15.0)	.787 (20.0)
.068	2113EFR-L-.068-6.3-*	.236 (6.0)	1.04 (26.5)	.591 (15.0)	.886 (22.5)
.082	2113EFR-K-.082-6.3-*	.276 (7.0)	1.04 (26.5)	.630 (16.0)	.787 (20.0)
.082	2113EFR-M-.082-6.3-*	.276 (7.0)	1.04 (26.5)	.630 (16.0)	.886 (22.5)
.1	2113EFR-K-.1-6.3-*	.276 (7.0)	1.04 (26.5)	.630 (16.0)	.787 (20.0)
.1	2113EFR-M-.1-6.3-*	.276 (7.0)	1.04 (26.5)	.630 (16.0)	.886 (22.5)
.12	2113EFR-N-.12-6.3-*	.335 (8.5)	1.04 (26.5)	.642 (16.3)	.886 (22.5)
.15	2113EFR-O-.15-6.3-*	.394 (10.0)	.394 (10.0)	.394 (10.0)	.886 (22.5)
.18	2113EFR-O-.18-6.3-*	.394 (10.0)	.394 (10.0)	.394 (10.0)	.886 (22.5)
.22	2113EFR-P-.22-6.3-*	.433 (11.0)	1.26 (32.0)	.787 (20.0)	1.08 (27.5)
.27	2113EFR-O-.27-6.3-*	.433 (11.0)	1.26 (32.0)	.787 (20.0)	1.08 (27.5)

* - Please insert appropriate tolerance code