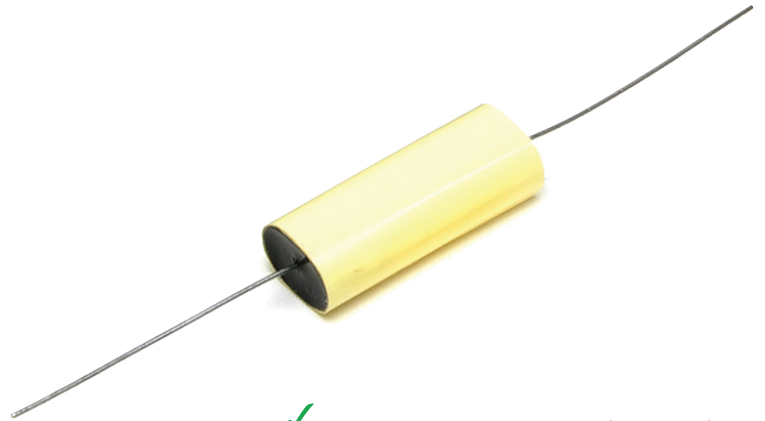


**FEATURES:**

- 50 ~ 600 VDC Rated Models
- Up to 12.000 µf Capacitance
- ±1 ~ 20% Tolerance Options
- -55 to 125°C with 50 % voltage derating,  
-55 to 85°C at full rated voltage
- Insulation Resistane of 25 - 50k ΩF
- <1% Dissipation Factor @ 1,000Hz
- Tested 150% of Rated Voltage (1 min)
- ISO 9001:2015 Qualified Processes
- Tested to MIL-STD-202
- ROHS Compliance upon request



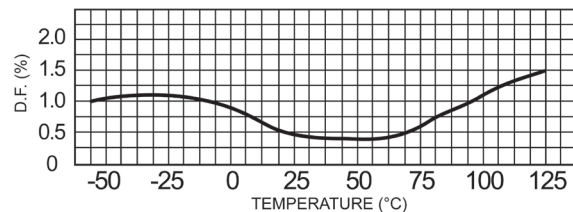
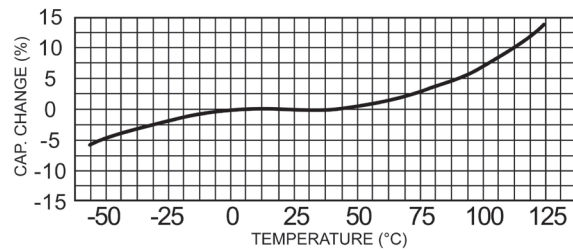
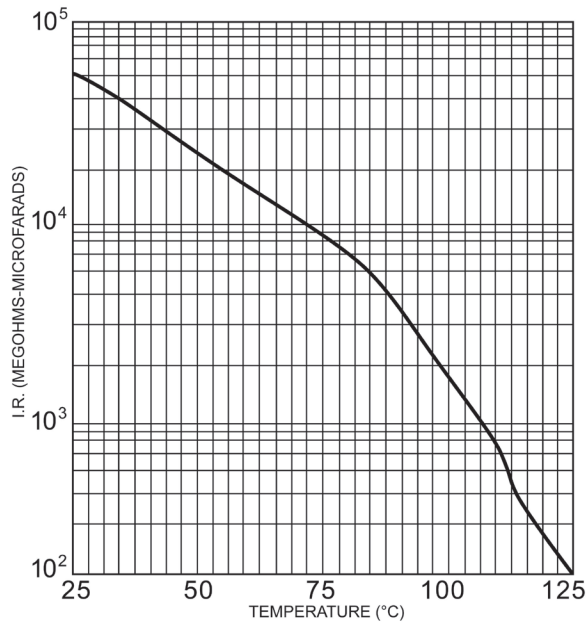
**STANDARD CONFIGURATION RULES:**

Optional mounting and terminal configurations available upon request

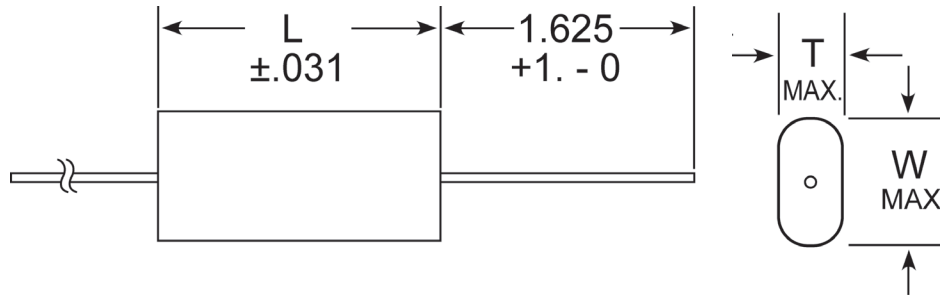
WF90	J	3	- 0.450	R
SERIES	TOLERANCE	VOLTAGE	CAPACITANCE (µf)	ROHS
	W = ±1%	0J = 50 VDC	up to 12.0000	Blank = Non-Compliant
	U = ±2%	2 = 200 VDC		R = ROHS (Built-to-Order)
	J = ±5%	4 = 400 VDC		
	K = ±10%	6 = 600 VDC		
	M = ±20%			

\* Configuration model numbers are for initial inquiries only - production part number may vary

**CHARACTERISTICS:**



**PAPER AND FOIL NON INDUCTIVE, EXTENDED FOIL CONSTRUCTION**



**Standard Dimensions**

capacitance values are available in the same case size as the next higher value.

50V MODELS				200V MODELS				400V MODELS				600V MODELS			
( $\mu$ f)	LENGTH	T	W	( $\mu$ f)	LENGTH	T	W	( $\mu$ f)	LENGTH	T	W	( $\mu$ f)	LENGTH	T	W
0.0180	0.450	0.140	0.230	0.0082	0.450	0.140	0.230	0.0033	0.450	0.150	0.250	0.0100	0.690	0.250	0.370
0.0220	0.450	0.140	0.230	0.0100	0.450	0.140	0.230	0.0056	0.450	0.150	0.250	0.0120	0.690	0.280	0.410
0.0270	0.450	0.140	0.230	0.0120	0.450	0.140	0.140	0.0082	0.580	0.140	0.230	0.0150	0.690	0.280	0.410
0.0330	0.450	0.140	0.230	0.0150	0.450	0.140	0.140	0.0100	0.580	0.140	0.230	0.0180	0.810	0.250	0.370
0.0390	0.450	0.140	0.230	0.0180	0.450	0.150	0.140	0.0120	0.580	0.140	0.230	0.0220	0.810	0.280	0.410
0.0470	0.450	0.140	0.230	0.0220	0.580	0.140	0.250	0.0150	0.580	0.140	0.230	0.0270	0.810	0.310	0.440
0.0560	0.450	0.140	0.230	0.0270	0.580	0.140	0.230	0.0180	0.580	0.160	0.250	0.0330	0.810	0.310	0.470
0.0680	0.450	0.150	0.240	0.0330	0.580	0.140	0.230	0.0220	0.580	0.170	0.270	0.0390	0.810	0.340	0.500
0.0820	0.450	0.160	0.250	0.0390	0.580	0.140	0.230	0.0270	0.580	0.190	0.280	0.0470	1.060	0.310	0.410
0.1000	0.580	0.140	0.230	0.0470	0.580	0.140	0.230	0.0330	0.580	0.210	0.300	0.0560	1.060	0.310	0.440
0.1200	0.580	0.140	0.230	0.0560	0.580	0.160	0.250	0.0390	0.580	0.220	0.320	0.0680	1.060	0.340	0.470
0.1500	0.580	0.140	0.230	0.0680	0.580	0.170	0.270	0.0470	0.580	0.240	0.340	0.0820	1.060	0.370	0.500
0.1800	0.580	0.140	0.230	0.0820	0.580	0.190	0.280	0.0560	0.580	0.270	0.360	0.1000	1.060	0.410	0.560
0.2200	0.580	0.150	0.250	0.1000	0.580	0.210	0.300	0.0680	0.730	0.230	0.320	0.1200	1.060	0.470	0.620
0.2700	0.580	0.170	0.270	0.1200	0.580	0.220	0.320	0.0820	0.730	0.250	0.340	0.1500	1.060	0.530	0.690
0.3300	0.580	0.190	0.280	0.1500	0.580	0.250	0.340	0.1000	0.730	0.270	0.370	0.1800	1.310	0.470	0.660
0.3900	0.580	0.200	0.300	0.1800	0.580	0.270	0.370	0.1200	0.830	0.250	0.350	0.2200	1.810	0.370	0.560
0.4700	0.580	0.220	0.320	0.2200	0.730	0.230	0.330	0.1500	0.830	0.280	0.380	0.2700	1.810	0.440	0.620
0.5600	0.580	0.240	0.330	0.2700	0.730	0.250	0.340	0.1800	0.830	0.310	0.390	0.3300	1.810	0.500	0.690
0.6800	0.580	0.270	0.360	0.3300	0.730	0.290	0.380	0.2200	0.830	0.340	0.440	0.3900	1.810	0.530	0.720
0.8200	0.730	0.230	0.320	0.3900	-	0.260	0.350	0.2700	0.830	0.380	0.470	0.4700	1.810	0.590	0.780
1.0000	0.730	0.250	0.340	0.4700	0.830	0.290	0.380	0.3300	1.000	0.370	0.460	0.5600	1.810	0.620	0.840
1.2000	0.730	0.270	0.370	0.5600	0.830	0.310	0.410	0.3900	1.230	0.390	0.420	0.6800	1.810	0.690	0.910
1.5000	0.830	0.260	0.350	0.6800	0.830	0.340	0.440	0.4700	1.230	0.330	0.500	0.8200	1.810	0.780	0.970
1.8000	0.830	0.280	0.380	0.8200	0.830	0.380	0.470	0.5600	1.230	0.360	0.530	1.0000	1.810	0.840	1.060
2.0000	0.830	0.300	0.390	1.0000	1.000	0.370	0.460	0.6800	1.230	0.400	0.570				
3.0000	0.830	0.360	0.460	1.2000	1.220	0.300	0.470	0.8200	1.230	0.440	0.610				
4.0000	1.000	0.370	0.460	1.5000	1.220	0.340	0.500	1.0000	1.230	0.490	0.660				
5.0000	1.220	0.310	0.470	1.8000	1.220	0.370	0.540	1.2000	1.500	0.470	0.640				
6.0000	1.220	0.340	0.500	2.0000	1.220	0.400	0.560	1.5000	1.500	0.530	0.700				
7.0000	1.220	0.380	0.540	3.0000	1.220	0.490	0.660	1.8000	1.750	0.520	0.690				
8.0000	1.220	0.400	0.560	4.0000	1.500	0.490	0.660	2.0000	1.950	0.500	0.670				
9.0000	1.220	0.430	0.590	5.0000	1.750	0.500	0.660	3.0000	1.950	0.620	0.790				
10.0000	1.220	0.510	0.680	6.0000	1.750	0.540	0.700	4.0000	2.230	0.980	1.180				
12.0000	1.220	0.560	0.730	7.0000	1.750	0.570	0.740								
15.0000	1.500	0.550	0.720	8.0000	1.950	0.580	0.750								
18.0000	1.500	0.610	0.770	9.0000	1.950	0.740	0.910								
20.0000	1.750	0.570	0.730	10.0000	1.950	0.750	0.920								
30.0000	1.950	0.610	0.810	12.0000	1.950	0.830	1.000								
40.0000	2.230	0.650	0.850	15.0000	1.950	0.920	1.090								
50.0000	2.230	0.730	0.930	18.0000	1.950	0.990	1.160								
				20.0000	1.950	1.060	1.230								
				30.0000	2.230	1.170	1.370								