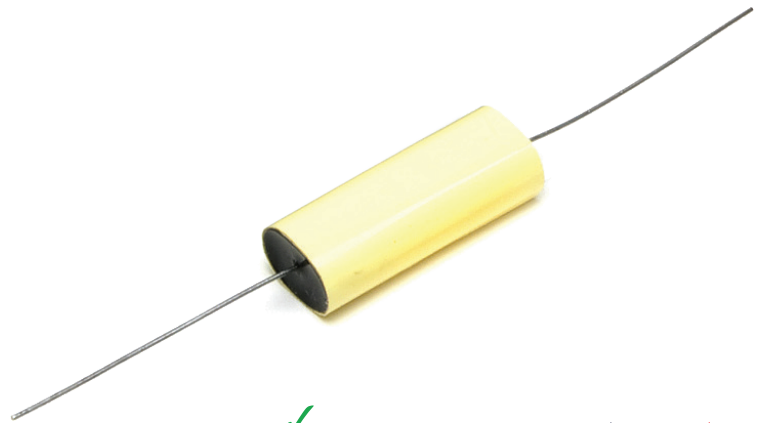


**FEATURES:**

- 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



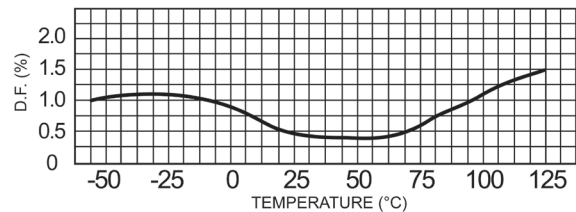
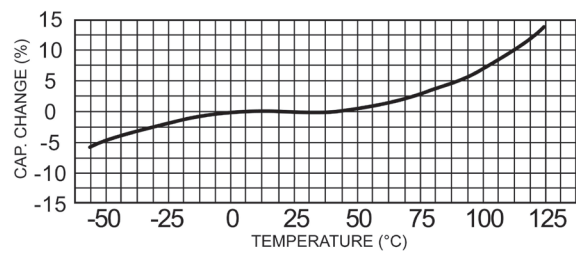
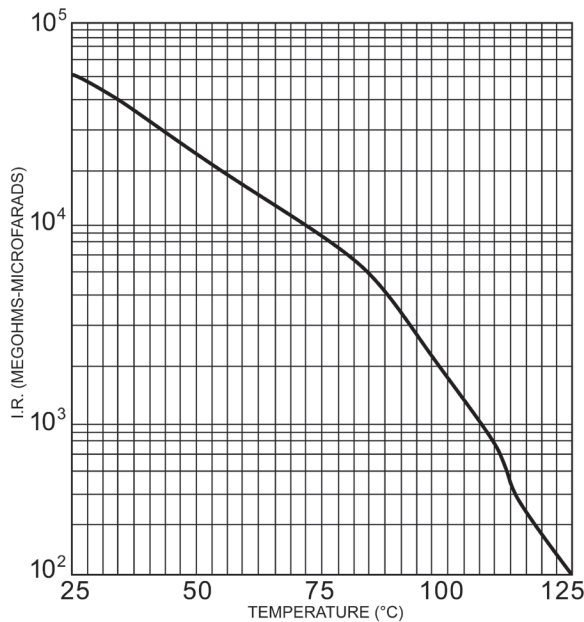
**STANDARD CONFIGURATION RULES:**

Optional mounting and terminal configurations available upon request

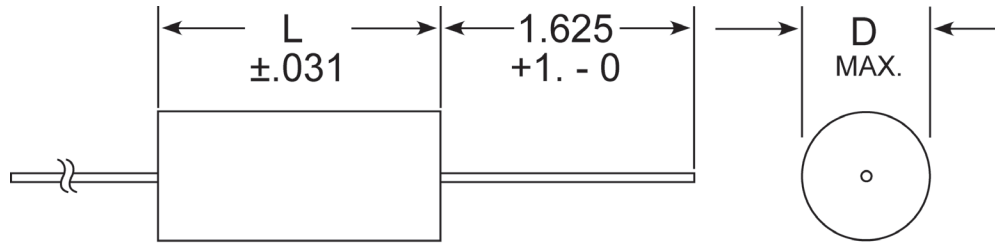
WR90	J	4	- 0.450	R
SERIES	TOLERANCE	VOLTAGE	CAPACITANCE (µf)	ROHS
	W = ±1%	1 = 100 VDC	up to 12.0000	Blank = Non-Compliant
	U = ±2%	2 = 200 VDC		R = ROHS (Built-to-Order)
	J = ±5%	4 = 400 VDC		
	K = ±10%	6 = 600 VDC		
	M = ±20%			

\* 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.

100V MODELS			200V MODELS			400V MODELS			600V MODELS		
(µf)	DIA	LENGTH	(µf)	DIA	LENGTH	(µf)	DIA	LENGTH	(µf)	DIA	LENGTH
0.0180	0.200	0.450	0.0082	0.200	0.450	0.0033	0.210	0.450	0.0010	0.200	0.450
0.0220	0.200	0.450	0.0100	0.200	0.450	0.0056	0.210	0.450	0.0022	0.200	0.450
0.0270	0.200	0.450	0.0120	0.200	0.450	0.0082	0.200	0.580	0.0033	0.200	0.580
0.0330	0.200	0.450	0.0150	0.200	0.450	0.0100	0.200	0.580	0.0056	0.200	0.580
0.0390	0.200	0.450	0.0180	0.210	0.450	0.0120	0.200	0.580	0.0082	0.230	0.580
0.0470	0.200	0.450	0.0220	0.200	0.580	0.0150	0.200	0.580	0.0100	0.250	0.580
0.0560	0.200	0.450	0.0270	0.200	0.580	0.0180	0.220	0.580	0.0120	0.260	0.580
0.0680	0.210	0.450	0.0330	0.200	0.580	0.0220	0.230	0.580	0.0150	0.290	0.580
0.0820	0.220	0.450	0.0390	0.200	0.580	0.0270	0.250	0.580	0.0180	0.310	0.580
0.1000	0.200	0.580	0.0470	0.200	0.580	0.0330	0.270	0.580	0.0220	0.330	0.580
0.1200	0.200	0.580	0.0560	0.220	0.580	0.0390	0.280	0.580	0.0270	0.310	0.730
0.1500	0.200	0.580	0.0680	0.230	0.580	0.0470	0.300	0.580	0.0330	0.330	0.730
0.1800	0.200	0.580	0.0820	0.250	0.580	0.0560	0.330	0.580	0.0390	0.310	0.830
0.2200	0.210	0.580	0.1000	0.270	0.580	0.0680	0.290	0.730	0.0470	0.330	0.830
0.2700	0.230	0.580	0.1200	0.280	0.580	0.0820	0.310	0.730	0.0560	0.360	0.830
0.3300	0.250	0.580	0.1500	0.310	0.580	0.1000	0.330	0.730	0.0680	0.390	0.830
0.3900	0.260	0.580	0.1800	0.330	0.580	0.1200	0.310	0.830	0.0820	0.420	0.830
0.4700	0.280	0.580	0.2200	0.290	0.730	0.1500	0.340	0.830	0.1000	0.420	1.000
0.5600	0.300	0.580	0.2700	0.310	0.730	0.1800	0.370	0.830	0.1200	0.400	1.220
0.6800	0.330	0.580	0.3300	0.350	0.730	0.2200	0.400	0.830	0.1500	0.430	1.220
0.8200	0.290	0.730	0.3900	0.320		0.2700	0.440	0.830	0.1800	0.470	1.220
1.0000	0.310	0.730	0.4700	0.350	0.830	0.3300	0.430	1.000	0.2200	0.510	1.220
1.2000	0.330	0.730	0.5600	0.370	0.830	0.3900	0.410	1.230	0.2700	0.560	1.220
1.5000	0.320	0.830	0.6800	0.400	0.830	0.4700	0.440	1.230	0.3300	0.600	1.220
1.8000	0.340	0.830	0.8200	0.440	0.830	0.5600	0.470	1.230	0.3900	0.580	1.500
2.0000	0.360	0.830	1.0000	0.430	1.000	0.6800	0.510	1.230	0.4700	0.640	1.500
3.0000	0.420	0.830	1.2000	0.410	1.220	0.8200	0.550	1.230	0.5600	0.620	1.750
4.0000	0.430	1.000	1.5000	0.440	1.220	1.0000	0.600	1.230	0.6800	0.630	1.950
5.0000	0.410	1.220	1.8000	0.480	1.220	1.2000	0.580	1.500	0.8200	0.690	1.950
6.0000	0.440	1.220	2.0000	0.500	1.220	1.5000	0.640	1.500	1.0000	0.750	1.950
7.0000	0.480	1.220	3.0000	0.600	1.220	1.8000	0.630	1.750	1.2000	0.810	1.950
8.0000	0.500	1.220	4.0000	0.600	1.500	2.0000	0.610	1.950	1.5000	0.900	1.950
9.0000	0.540	1.220	5.0000	0.600	1.750	3.0000	0.730	1.950	1.8000	0.970	1.950
10.0000	0.620	1.220	6.0000	0.640	1.750	4.0000	1.100	2.230	2.0000	1.030	2.230
12.0000	0.670	1.220	7.0000	0.680	1.750						
15.0000	0.660	1.500	8.0000	0.690	1.950						
18.0000	0.710	1.500	9.0000	0.830	1.950						
20.0000	0.680	1.750	10.0000	0.860	1.950						
30.0000	0.730	1.950	12.0000	0.920	1.950						
40.0000	0.770	2.230	15.0000	1.030	1.950						
50.0000	0.850	2.230	18.0000	1.080	1.950						
			20.0000	1.170	1.950						
			30.0000	1.240	2.230						