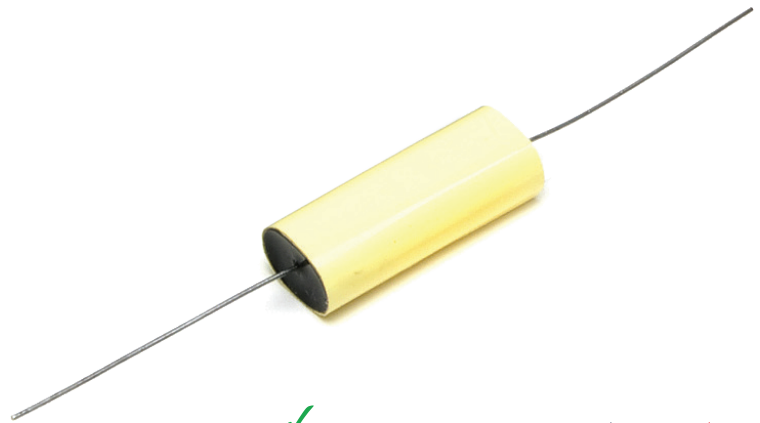


FEATURES:

- 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



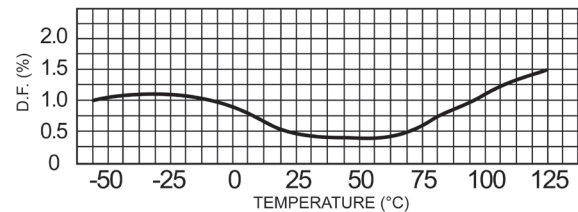
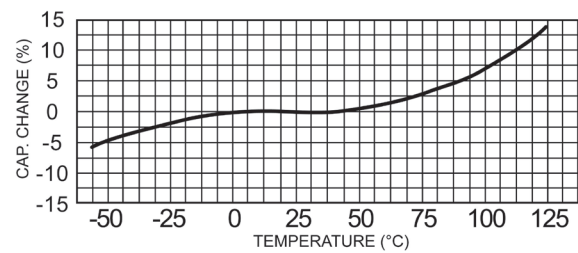
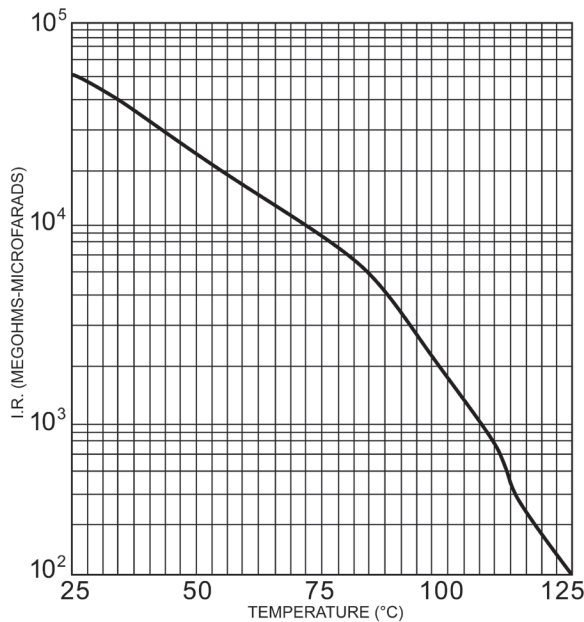
STANDARD CONFIGURATION RULES:

Optional mounting and terminal configurations available upon request

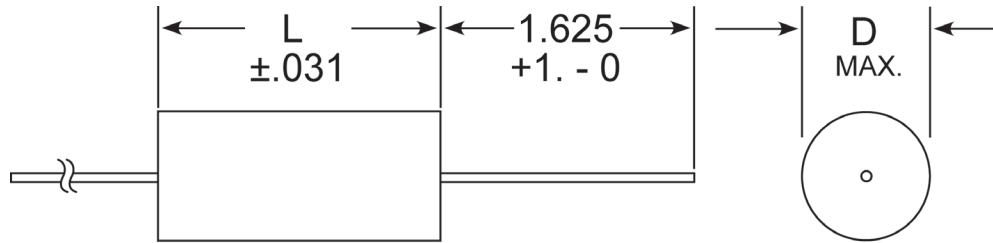
| WR90 | J | 4 | - 0.450 | R |
|--------|-----------|-------------|------------------|---------------------------|
| SERIES | TOLERANCE | VOLTAGE | CAPACITANCE (µf) | ROHS |
| | W = ±1% | 1 = 100 VDC | up to 12,000 | Blank = Non-Compliant |
| | U = ±2% | 2 = 200 VDC | | R = ROHS (Built-to-Order) |
| | 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 | | | | | | |