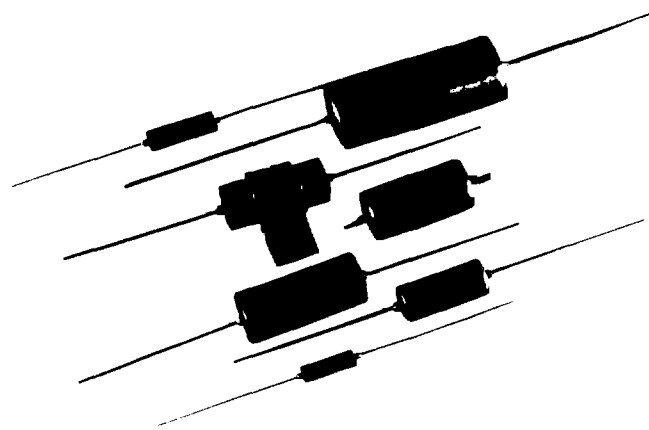


**Metal-Case  
Metalized  
Paper/Polyester  
Capacitors**



**Features—**

- Moderate Cost
- Small Size
- Extensive Standard Ratings
- Wire Leads or Tab Terminals
- Approved to  
Mil-C-39022/01/02/08

**Major Applications:**

Bypass, coupling, and filtering

**PHYSICAL CHARACTERISTICS —**

**Construction:**

Non-inductive wound metalized paper/polyester

**Case:**

Hermetically sealed metal enclosure. Styles available are shown in picture to the right and in the general section in the front of the catalog

**Lead Material:**

Solder coated solid wire

**Lead Wire Sizes:**

Case Dia.	Lead AWG
.175 and .195	No. 24
.235 and .312	No. 22
.400 and over	No. 20

**Lead Pull:**

5 lbs. (2.3KG) for one minute. No physical damage

**Lead Bend:**

After three complete consecutive bends. No damage

**Marking:**

Dearborn trademark, type or catalog number, capacitance, tolerance, and voltage

**ELECTRICAL SPECIFICATIONS —**

**Capacitance Range:**

.001  $\mu$ f to 12  $\mu$ f

**DC Voltage Rating:**

200 VDC to 1000 VDC

**AC Voltage Rating:**

See graphs of AC voltage vs frequency and AC voltage vs temperature

**Capacitance Tolerance:**

$\pm$ 20%,  $\pm$ 10%,  $\pm$ 5%

**Operating Temperature:**

-55°C to 125°C

**Voltage Derating:**

At +125°C, 50% of +85°C rating

**Dissipation Factor:**

1.0% maximum

**DC Voltage Test:**

200% of rated voltage for 1 minute

**Insulation Resistance:**

Measurements made after a 2 minute charge at rated voltage or 500 VDC, whichever is less

At +25°C, 2,000 Megohm-Microfarads, need not exceed 12,000 Megohms

At +125°C, 40 Megohm-Microfarads, need not exceed 600 Megohms

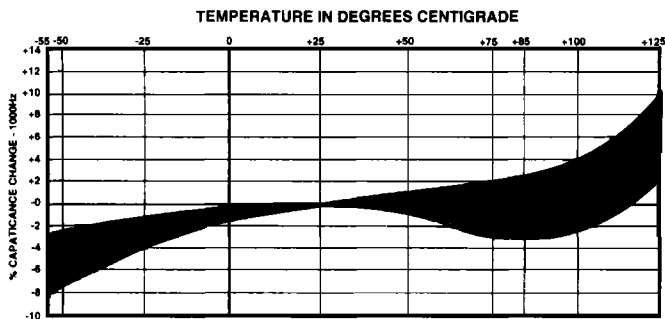


**STANDARD RATINGS**

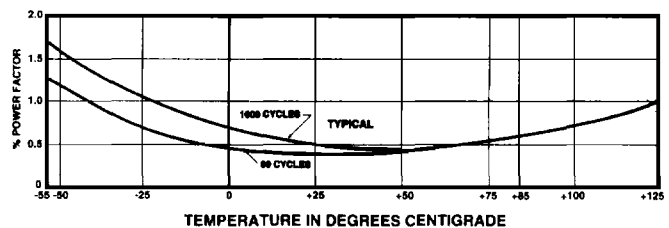
Capacitance		Voltage Code 200		Voltage Code 400		Voltage Code 600		Voltage Code 1K0	
$\mu$ f	Code	200 VDC		400 VDC		600 VDC		1000 VDC	
		D	L	D	L	D	L	D	L
.001	102	.174	.750	.235	.750	.235	.750	.400	.750
.0015	152	.174	.750	.235	.750	.235	.750	.400	.750
.0022	222	.174	.750	.235	.750	.235	.750	.400	.750
.0033	332	.174	.750	.235	.750	.235	.750	.400	.750
.0047	472	.174	.750	.312	.875	.312	.875	.400	.750
.0068	682	.174	.750	.312	.875	.312	.875	.400	.750
.01	103	.174	.750	.312	.875	.312	.875	.400	.875
.015	153	.193	.750	.312	.875	.312	.875	.400	.875
.022	223	.235	.750	.312	.875	.312	1.125	.400	1.125
.033	333	.235	.750	.312	1.125	.312	1.125	.400	1.125
.047	473	.312	.875	.400	1.125	.400	1.125	.500	1.125
.068	683	.312	.875	.400	1.125	.400	1.125	.500	1.125
.1	104	.312	.875	.500	1.125	.500	1.125	.562	1.125
.15	154	.312	1.125	.500	1.125	.562	1.125	.562	1.625
.22	224	.400	.875	.562	1.375	.562	1.375	.670	1.625
.33	334	.400	1.125	.562	1.625	.562	1.625	.670	1.875
.47	474	.500	1.125	.670	1.625	.670	1.625	.750	1.875
.68	684	.500	1.125	.670	1.875	.670	1.875	1.000	1.875
1.00	105	.562	1.125	.750	1.875	1.000	1.875	1.000	2.125
1.50	155	.562	1.625	1.000	1.875	1.000	1.875	1.000	2.625
2.00	205	.670	1.625	1.000	1.875	1.000	2.125		
3.00	305	.670	1.875	1.000	2.625				
4.00	405	.750	1.875						
5.00	505	1.000	1.875						
6.00	605	1.000	1.875						
8.00	805	1.000	1.875						
10.00	106	1.000	2.375						
12.00	126	1.000	2.625						

Additional capacitance values, voltages and tolerances available upon request

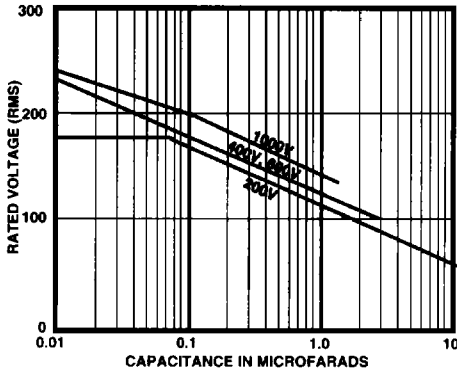
**ELECTRICAL CHARACTERISTICS VS TEMPERATURE**



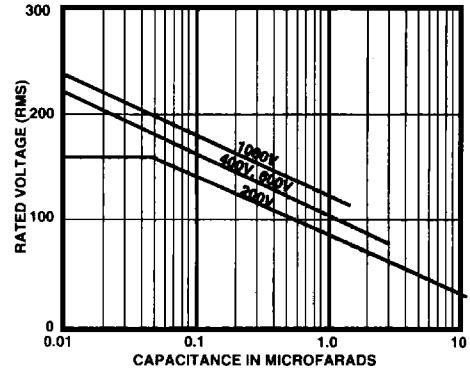
CAPACITANCE CHANGE ENVELOPE FOR 95% CONFIDENCE LEVEL



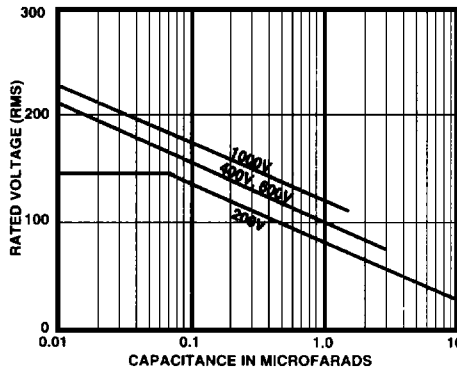
**AC VOLTAGE RATINGS VS TEMPERATURE**



A-C VOLTAGE RATINGS AT 400 HERTZ AND 85 C AMBIENT

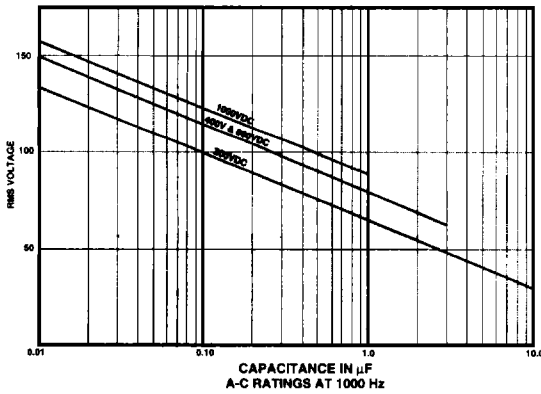


A-C VOLTAGE RATINGS AT 400 HERTZ AND 105 C AMBIENT

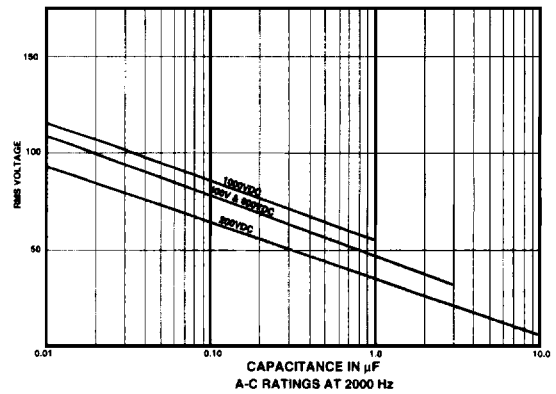


A-C VOLTAGE RATINGS AT 400 HERTZ AND 125 C AMBIENT

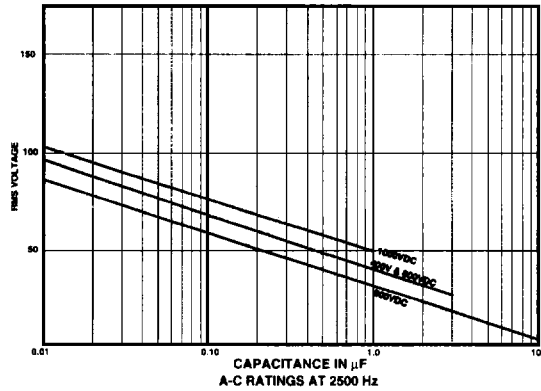
**AC VOLTAGE VS FREQUENCY**



A-C RATINGS AT 1000 Hz



A-C RATINGS AT 2000 Hz



A-C RATINGS AT 2500 Hz

