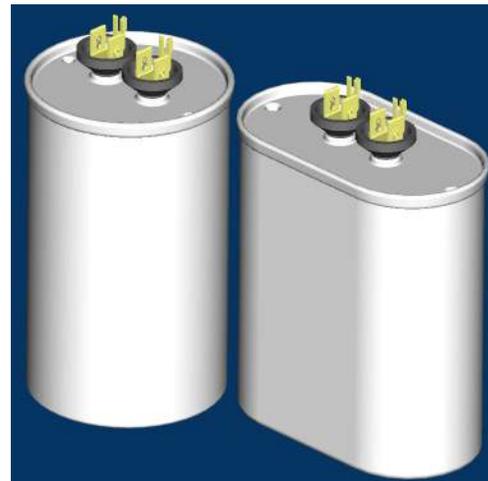


370 and 440 Volts AC

This capacitor series is designed specifically for the motor run applications where the capacitors are used in conjunction with permanent split capacitor type motors. They may be used on either 50 or 60-Hertz systems but should not be used at higher frequencies or in applications where higher frequency harmonics are present. For those types of applications the General Purpose AC Capacitors shown on the following pages should be used. If there is any question regarding the correct application of these products, please contact your RBC sales representative.



SPECIFICATIONS:

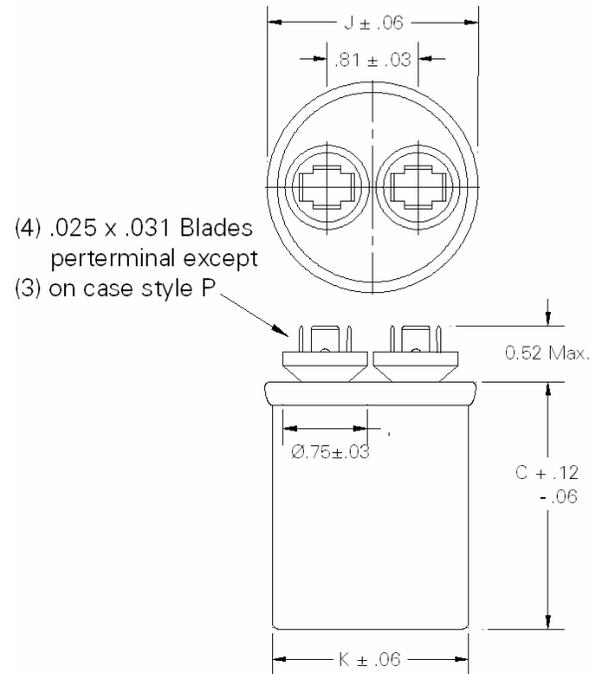
Available Capacitance Range:	2 to 120 μ F
Capacitance Tolerance:	\pm 6%
Capacitance Variation with Temperature:	See chart M-3 on page 9.
Rated Voltage:	See Rating Tables. Rating is the 50/60 Hz RMS voltage for a sinusoidal waveform.
Leakage Current:	30 μ A maximum
Frequency:	50/60 Hz For higher frequencies use the General Purpose AC Capacitor Series.
Operating Temperature:	-40 °C to +70 °C
Storage Temperature:	-40 °C to +90 °C
Operating Life:	60,000 hours with 94% survival
Dissipation Factor:	0.1% maximum
Case Material/Finish:	Unpainted Aluminum case, tern plate steel cover. Contact RBC if material/finish to meet UL outdoor standards is required.
Terminations:	'Combo' terminal: 0.250" x 0.031" quick connect blades.
Dielectric Fluid:	Dielektrol VI
Internal Protection:	UL recognized Pressure Sensitive Interrupter. See Ratings Table for RBC's UL code Number listed under RBC's UL File E7793 (N). For UL submittals with these capacitors use the RBC 'Pxxx' number not the Catalog Number. The corresponding generic UL designation that includes the Available Faults Current (AFC) rating is given below. All these capacitors are capable of interrupting available fault currents of up to 10,000 amperes.

Case Style	RBC Code	Generic UL Code
A	P921	A10000AFC
P	P965	P10000AFC
S	P968	S10000AFC
T	P969	T10000AFC

*STANDARD RATINGS

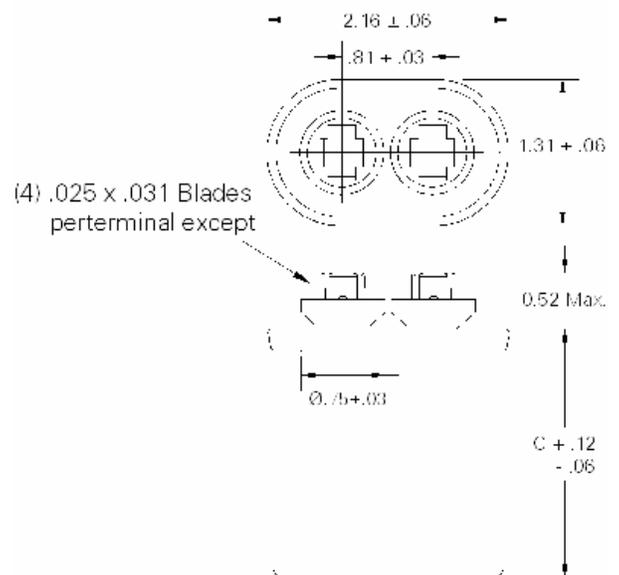
Capacitance (μF)	Catalog Number	Case Style	Height C (in.)	UL Code
370 Volts AC Nominal				
3	27L595	A	1.56	P921
4	27L571	A	1.56	P921
5	27L570	A	1.56	P921
6	97F5706	A	2.12	P921
7.5	27L566	A	2.12	P921
10	97F9002	A	2.88	P921
12.5	27L572	A	2.88	P921
15	27L567	A	2.88	P921
20	97F9602	P	2.88	P965
25	97F9606	P	2.88	P965
30	97F9608	P	3.88	P965
35	97F9611	P	3.88	P965
40	97F9614	P	3.88	P965
45	97F9884	P	4.75	P965
50	97F9802	P	4.75	P965
55	97F9010	S	4.75	P968
60	97F5276	T	3.88	P969
65	97F9011	T	3.88	P969
70	97F9012	T	4.75	P969
440 Volts AC Nominal				
3	97F5437	A	2.12	P921
4	97F5337	A	2.88	P921
5	97F5339	A	2.88	P921
6	97F5436	A	2.88	P921
7.5	97F9036	A	3.88	P921
10	97F5300	A	3.88	P921
12.5	97F9080	A	4.75	P921
15	97F9625	A	4.75	P921
20	97F9630	P	3.88	P965
25	97F9632	P	3.88	P965
30	97F9635	P	3.88	P965
35	97F9639	S	3.88	P968
40	97F9642	S	3.88	P968
45	97F9645	S	4.75	P968
50	97F5211	T	3.88	P969
55	97F9042	T	4.75	P969
60	97F9043	T	4.75	P969
65	97F5241	T	4.75	P969
70	97F5251	T	4.75	P969

Case Style P, S, and T



Case Style	K	J
P	1.75	1.88
S	2.00	2.12
T	2.50	2.62

Case Style A



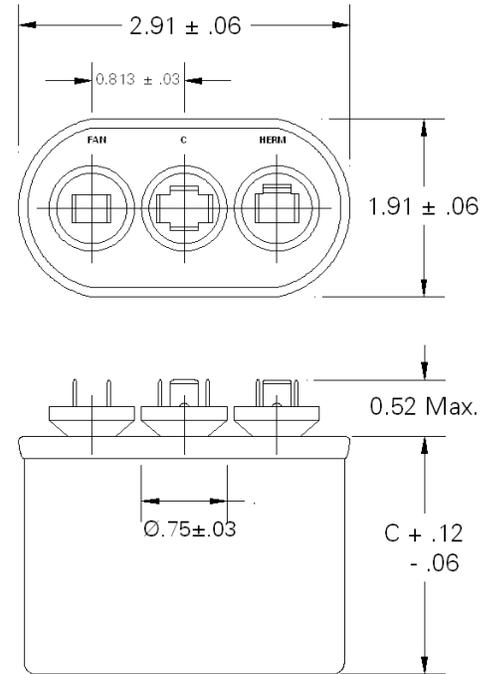
* It is RBC's goal to serve you with the most cost effective and the highest quality capacitor designs. Standardization to the catalog type shown is a major program at RBC. However, RBC remains sensitive to your needs and requirements, and will continue to offer the above ratings (and more) in case configurations to meet your application (s).

DUAL SECTION

*STANDARD RATINGS

Capacitance		Catalog Number	Case Style	Height C(in.)	UL Code
(μ F) (Herm)	(μ F) (Fan)				
370 Volts AC Nominal					
10	10	27L956	C	2.12	P923
15	5	97F9437	C	2.88	P923
15	7.5	97F9526	C	2.88	P923
20	5	97F9673	C	2.88	P923
20	7.5	97F9991	C	2.88	P923
25	5	97F9675	C	2.88	P923
25	7.5	97F9677	C	2.88	P923
30	5	97F9681	C	3.88	P923
30	7.5	97F9683	C	3.88	P923
35	5	97F9796	C	3.88	P923
35	7.5	97F9864	C	3.88	P923
40	5	97F9840	C	3.88	P923
40	7.5	97F9845	C	3.88	P923
45	5	97F9859	C	3.88	P923
45	7.5	97F9841	C	3.88	P923
50	5	97F9885	C	4.75	P923
50	7.5	97F9858	C	4.75	P923
440 Volts AC Nominal					
15	5	97F9694	C	2.88	P923
15	7.5	97F9992	C	2.88	P923
20	5	97F9695	C	2.88	P923
20	7.5	97F9696	C	3.88	P923
25	5	97F9730	C	3.88	P923
25	7.5	97F9993	C	3.88	P923
30	5	97F9994	C	3.88	P923
30	7.5	97F9995	C	3.88	P923
35	5	97F9842	C	4.75	P923
35	7.5	97F9892	C	4.75	P923
40	5	97F9843	C	4.75	P923
40	7.5	97F9996	C	4.75	P923

Case Style C



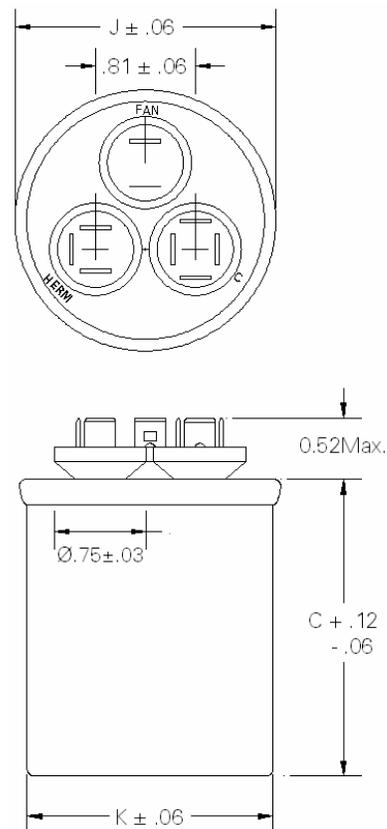
Case Style	RBC Code	Generic UL Code
C	P923	C10000AFC
D	P924	D10000AFC

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CONCENTRIC ROUND *STANDARD RATINGS

Case Style S,T

Capacitance		Catalog Number	Case Style	Height C(in.)	UL Code
(μ F) (Herm)	(μ F) (Fan)				
370 Volts AC Nominal					
15	5	97F9810	S	2.88	P968
15	7.5	97F9811	S	2.88	P968
20	5	97F9814	S	2.88	P968
20	7.5	97F9966	S	2.88	P968
20	10	97F9967	S	2.88	P968
25	5	97F9803	S	2.88	P968
25	7.5	97F9826	S	2.88	P968
25	10	97F9827	S	3.88	P968
30	3	27L955	S	2.88	P968
30	5	27L877	S	2.88	P968
30	7.5	97F9868	S	3.88	P968
30	10	97F9828	S	3.88	P968
35	5	97F9834	S	3.88	P968
35	7.5	97F9829	S	3.88	P968
40	5	97F9849	S	3.88	P968
40	7.5	97F9855	S	3.88	P968
40	10	97F9831	S	3.88	P968
45	5	27L880	S	3.88	P968
45	7.5	27L947	S	3.88	P968
45	10	97F9832	S	4.75	P968
50	5	97F9970	S	4.75	P968
50	7.5	97F9971	S	4.75	P968
50	10	97F9972	S	4.75	P968
55	5	97F9815	T	3.88	P969
55	7.5	97F9973	T	3.88	P969
55	10	97F9974	T	3.88	P969
60	5	27L954	T	3.88	P969
60	7.5	97F9817	T	4.75	P969
80	5	27L651	T	4.75	P969



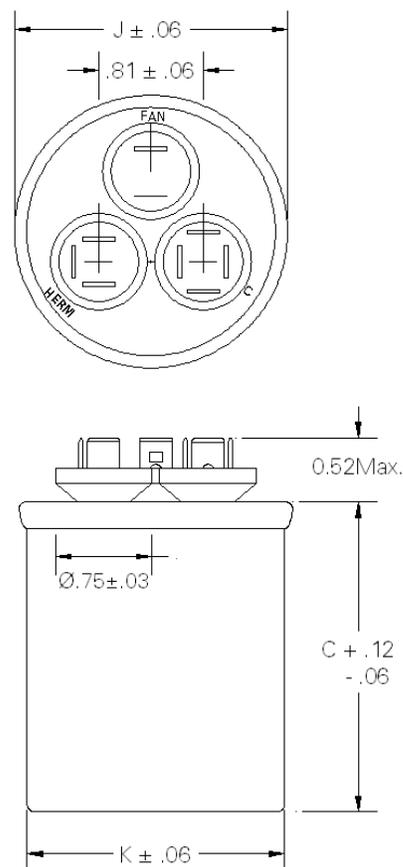
Case Style	K	J
S	2.00	2.12
T	2.50	2.62

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CONCENTRIC ROUND *STANDARD RATINGS

Case Style S,T

Capacitance		Catalog Number	Case Style	Height C (in.)	UL Code
(μ F) (Herm)	(μ F) (Fan)				
440 Volts AC Nominal					
15	5	97F9997	S	2.88	P968
15	7.5	97F9998	S	3.88	P968
20	5	97F9975	S	2.88	P968
20	7.5	97F9976	S	3.88	P968
25	5	97F9978	S	3.88	P968
25	7.5	97F9979	S	3.88	P968
30	5	97F9981	S	3.88	P968
30	7.5	97F9982	S	3.88	P968
30	10	97F9983	S	3.88	P968
35	5	97F9848	S	4.75	P968
35	7.5	97F9881	S	4.75	P968
40	5	97F9838	S	4.75	P968
40	7.5	97F9882	S	4.75	P968
40	5	27L946	T	2.88	P969
45	5	97F9851	T	3.88	P969
45	7.5	97F9883	T	3.88	P969
50	5	27L569	T	4.25	P969
50	7.5	97F9987	T	4.75	P969
55	5	97F9839	T	4.75	P969
55	7.5	97F9874	T	4.75	P969
60	5	97F9897	T	4.75	P969



Case Style	K	J
S	2.00	2.12
T	2.50	2.62

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Life Vs Temperature

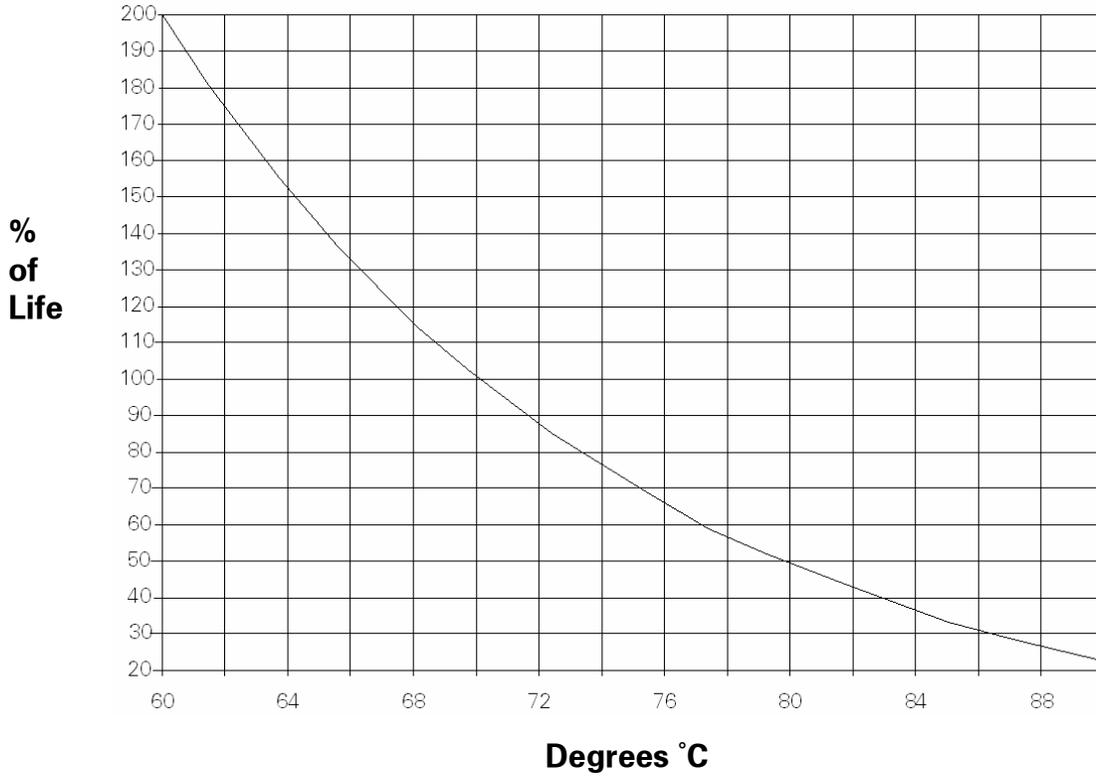


Chart M-1

Life Vs Voltage

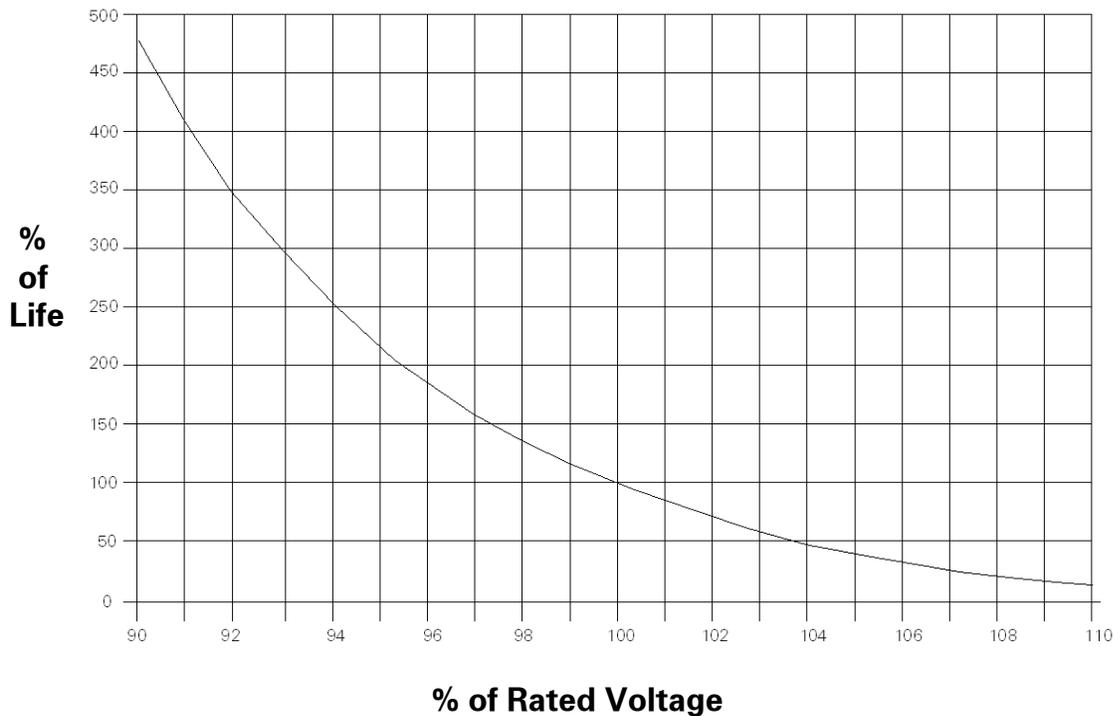
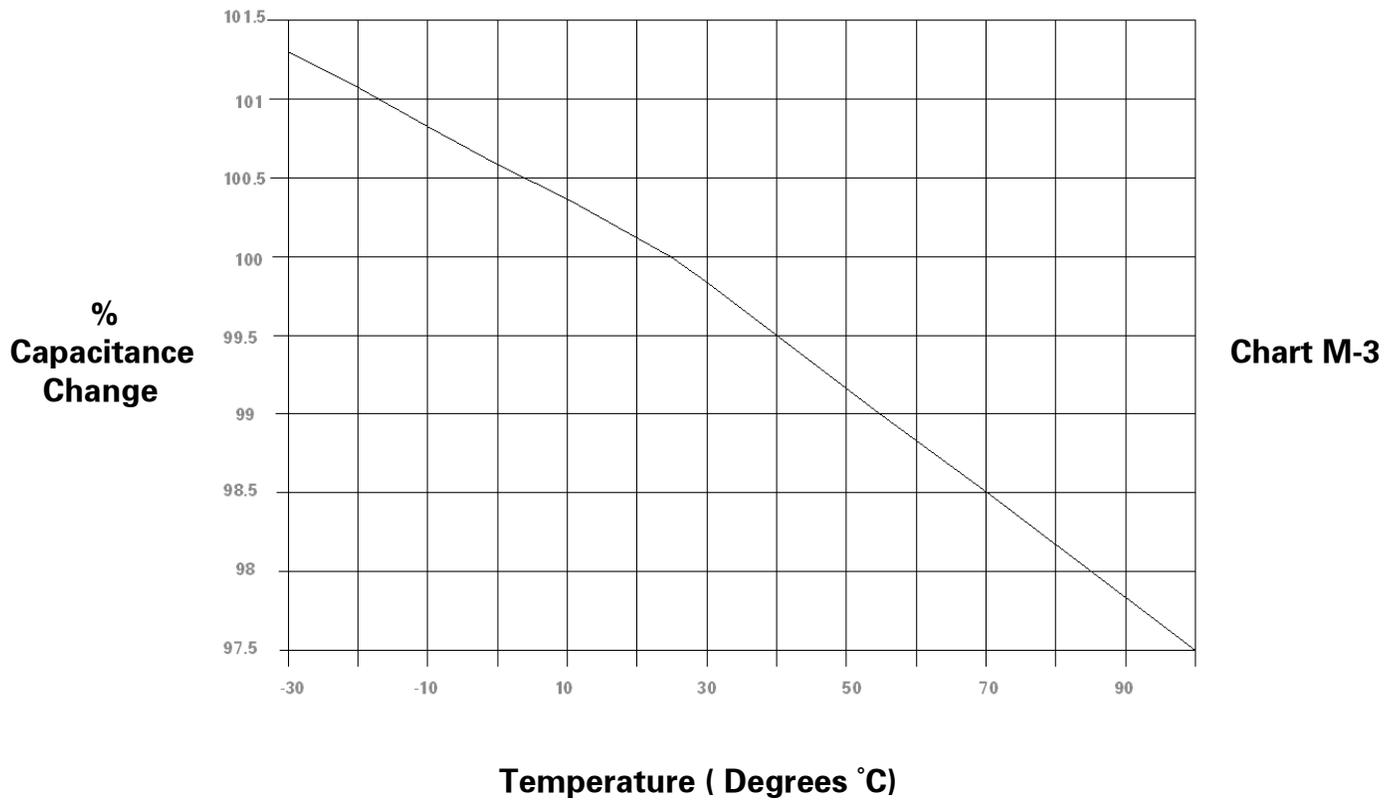


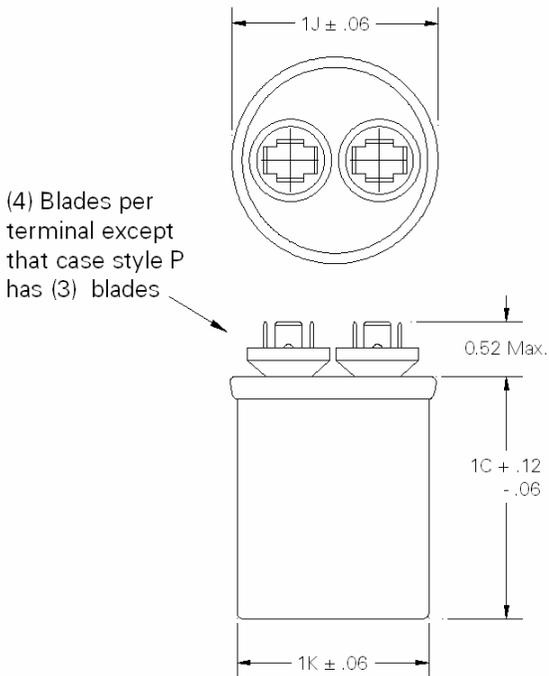
Chart M-2



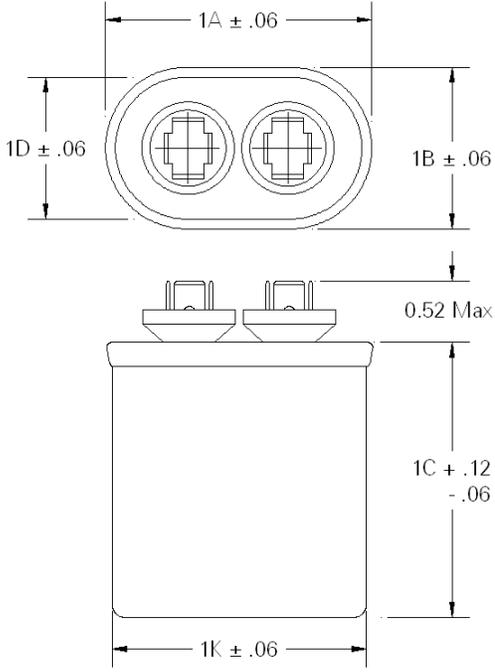
Percent Capacitance Vs Temperature



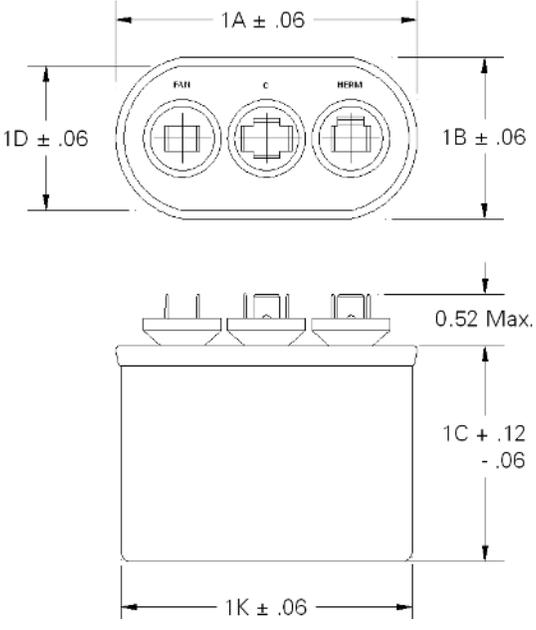
Round Case Style (P,S,T)



Oval Case Style (A,B,C,D)



Dual Oval Case Style (C)



Oval Case Style		Dimensions			
		1A	1B	1D	1K
A	Oval	2.16	1.31	1.21	2.06
B	Oval	2.69	1.56	1.47	2.58
C	Oval	2.91	1.91	1.81	2.81
D	Oval	3.66	1.97	1.88	3.56
C	Dual Oval	2.91	1.91	1.81	2.81
Round Case Style		Dimensions			
		1K			1J
P	Round	1.75	—	—	1.88
S	Round	2.00	—	—	2.12
T	Round	2.50	—	—	2.62

