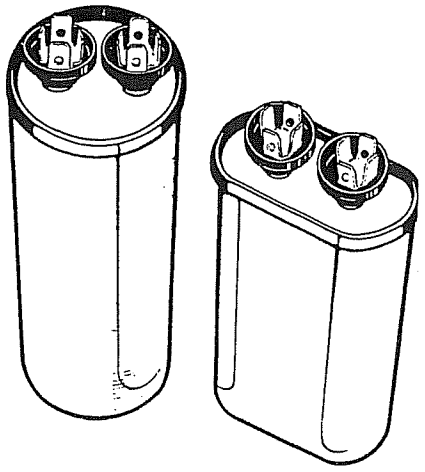
General Purpose A-C Capacitors - Gem III

240 and 370 Volts A-C

This series of Gem III capacitors is specifically designed for applications such as A-C filters where harmonic frequencies greater than 60Hz are common. Application Data is provided starting on page 10 that gives the Equivalent Series Resistance (ESR) for these units. This allows the user to calculate the losses for each design/application and to ensure that they are kept within the permissable limits. Any questions regarding the suitabiltiy of a capacitor for a particular application may be referred to GE Engineers through your GE sales representative.



SPECIFICATIONS

Available Capacitance Range:	2 to 120 μF
Capacitance Tolerance:	± 6%
Capacitance Variation with Temperature:	See chart E-3 on page 8
Rated Voltage:	See Ratings Tables. Rating is the 60Hz RMS voltage for a sinusoidal waveform. For other waveforms refer to the Application Note on page 5.
Leakage Current:	30 mA maximum
Frequency:	50/60Hz. For higher frequencies refer to the Application Note on page 6.
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 ; Terneplate Steel Cover.
Terminations:	0.250" x 0.031" quick connect blades
Dielectric Fluid:	Dielektrol VI
Internal Protection:	UL recognized Pressure Sensitive Interrupter. See Ratings Table for GE's Code Number listed under GE's U.L. File No. E7793(N). For UL submittals with these capacitors use the GE 'Pxxx' number not the Catalog Number.The corresponding generic U.L. designation that includes the Available Fault Current (AFC) rating is given below. All these capacitors are capable of interrupting available fault currents of up to 10,000 Amperes.

Case Style	GE Code	Generic U.L. Code
A	P921	A10000AFC

General Purpose A-C Capacitors - Gem III

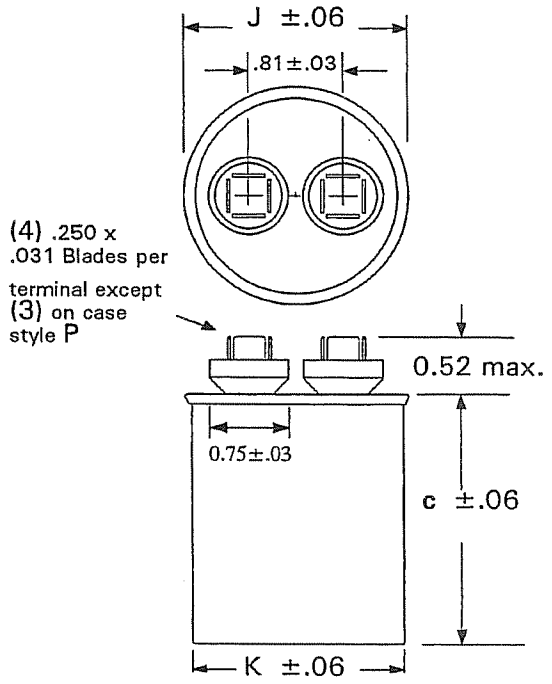
240 and 370 VOLTS AC

* STANDARD RATINGS

Capacitance (μF)	Catalog Number	Case Style	Height c (ins)	U.L. Code
	240 Volts A-C Nominal			
15.0	97F8036	P	2.88	P965
25.0	97F8037	P	2.88	P965
30.0	97F8038	P	3.88	P965
35.0	97F8039	P	3.88	P965
40.0	97F8040	P	3.88	P965
45.0	97F8041	P	4.75	P965
50.0	97F8042	P	4.75	P965
55.0	97F8043	P	4.75	P965
60.0	97F8044	S	4.75	P968
65.0	97F8045	S	4.75	P968
70.0	97F8046	S	4.75	P968
75.0	97F8047	S	4.75	P968
80.0	97F8048	T	3.88	P969
85.0	97F8049	T	3.88	P969
90.0	97F8050	T	3.88	P969
95.0	97F8051	T	4.75	P969
100.0	97F8052	T	4.75	P969
120.0	97F8053	T	4.75	P969
	370 Volts A-C Nominal			
3.0	97F8054	A	2.12	P921
4.0	97F8055	A	2.12	P921
5.0	97F8056	A	2.88	P921
6.0	97F8057	A	2.88	P921
7.5	97F8058	A	2.88	P921
10.0	97F8059	A	3.88	P921
12.5	97F8060	A	2.88	P921
15.0	97F8061	P	2.88	P965
17.5	97F8062	P	2.88	P965
20.0	97F8063	P	3.88	P965
25.0	97F8064	P	3.88	P965
30.0	97F8065	P	3.88	P965
35.0	97F8066	P	4.75	P965
40.0	97F8067	P	4.75	P965
45.0	97F8068	S	4.75	P968
50.0	97F8069	S	4.75	P968
55.0	97F8070	S	4.75	P968
60.0	97F8071	T	3.88	P969
65.0	97F8072	T	3.88	P969
70.0	97F8073	T	4.75	P969

* It is GE's goal to serve you with the most cost effective and the highest quality capacitor designs. Standardization to the catalog types shown is a major program at GE.

Case Styles 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