

This series of GEM III is **designed specifically for applications such as AC filters where harmonic frequencies greater than 60Hz are common.** Application Data is provided starting on page 9 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 permissible limits. **Any questions** regarding the suitability of a capacitor for a particular application may be referred to Regal-Beloit Engineers by **contacting your Regal-Beloit sales representative.**

### SPECIFICATIONS:

Available Capacitance Range:	2 to 120 $\mu$ F
Capacitance Tolerance:	$\pm 6\%$
Capacitance Variation with Temperature:	See Chart E-3 on page 13.
Rated Voltage:	See Rating Tables. Rating is the 60Hz RMS voltage for a sinusoidal waveform. For other waveforms refer to the Application Note on page 9.
Leakage Current:	30 $\mu$ A maximum
Frequency:	50/60 Hz. For higher frequencies refer to the Application Note on page 10.
Operating Temperature:	-40°C to +70°C
Storage Temperature:	-40°C to +90°C
Operating Life:	60,000 hours with 94% survival (In accordance with the EIA-456 Industry Standard)
Dissipation Factor:	0.1% maximum
Case Material/Finish:	Unpainted Aluminum Case, Tin Plated Steel Cover.
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 Regal-Beloit's UL Code Number listed under Regal-Beloit's UL File E322597. 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



# Gen Purpose AC Capacitors – GEM III

## Single Ratings – 1 Section

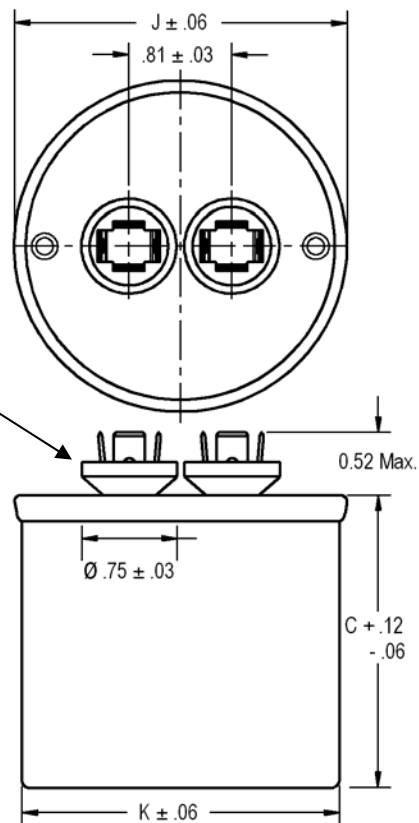
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Voltage (VAC)	Capacitance (μF)	Catalog Number	Case Style	Base Size (in.)	Can Type	Height C (in.)	UL Code
240	15.0	97F8036	P	1.75	Round	2.88	P965
	25.0	97F8037	P	1.75	Round	2.88	P965
	30.0	97F8038	P	1.75	Round	3.88	P965
	35.0	97F8039	P	1.75	Round	3.88	P965
	40.0	97F8040	P	1.75	Round	3.88	P965
	45.0	97F8041	P	1.75	Round	4.75	P965
	50.0	97F8042	P	1.75	Round	4.75	P965
	55.0	97F8043	P	1.75	Round	4.75	P965
	60.0	97F8044	S	2.00	Round	4.75	P968
	65.0	97F8045	S	2.00	Round	4.75	P968
	70.0	97F8046	S	2.00	Round	4.75	P968
	75.0	97F8047	S	2.00	Round	4.75	P968
	80.0	97F8048	T	2.50	Round	3.88	P969
	85.0	97F8049	T	2.50	Round	3.88	P969
	90.0	97F8050	T	2.50	Round	3.88	P969
	95.0	97F8051	T	2.50	Round	4.75	P969
	100.0	97F8052	T	2.50	Round	4.75	P969
	120.0	97F8053	T	2.50	Round	4.75	P969

Case Style P, S, and T

(4) .250 x .031 Blades per terminal except (3) on case style P

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



\*It is **Regal-Beloit's** goal to serve you with the **most cost effective** and **highest quality capacitor** designs. Standardization to the catalog type shown is a major program at Regal-Beloit. However, Regal-Beloit 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).**

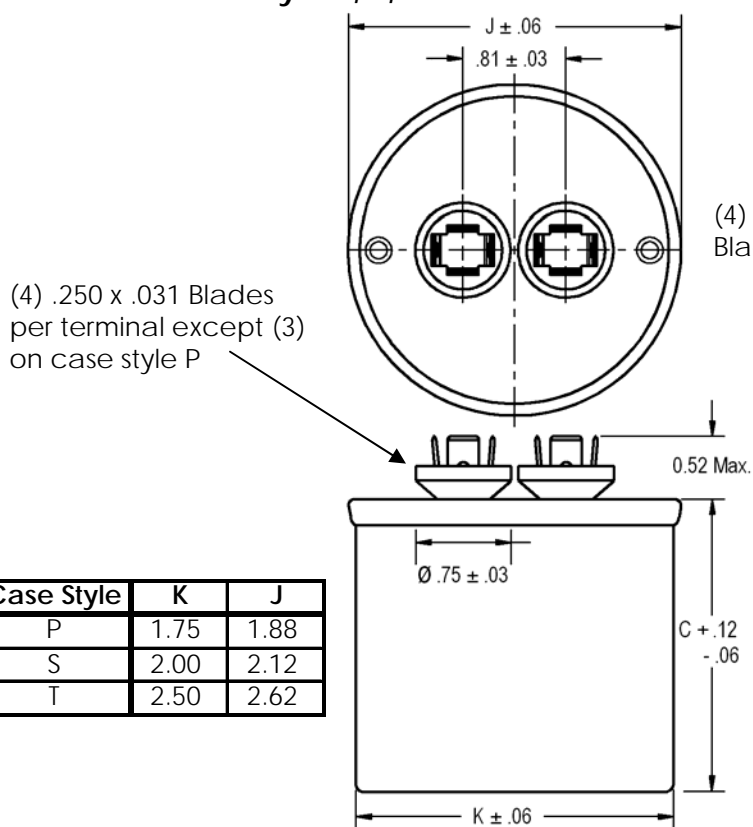


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## Single Ratings – 1 Section

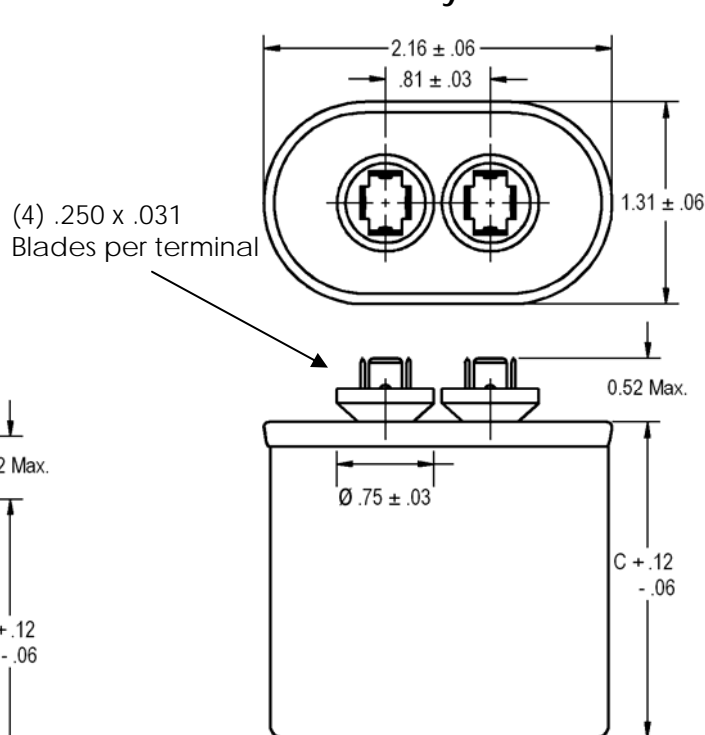
Voltage (VAC)	Capacitance (μF)	Catalog Number	Case Style	Base Size (in.)	Can Type	Height C (in.)	UL Code
370	3.0	97F8054	A	1.25	Oval	2.12	P921
	4.0	97F8055	A	1.25	Oval	2.12	P921
	5.0	97F8056	A	1.25	Oval	2.88	P921
	6.0	97F8057	A	1.25	Oval	2.88	P921
	7.5	97F8058	A	1.25	Oval	2.88	P921
	10.0	97F8059	A	1.25	Oval	3.88	P921
	12.5	97F8060	A	1.25	Oval	3.88	P921
	15.0	97F8061	P	1.75	Round	2.88	P965
	17.5	97F8062	P	1.75	Round	2.88	P965
	20.0	97F8063	P	1.75	Round	3.88	P965
	25.0	97F8064	P	1.75	Round	3.88	P965
	30.0	97F8065	P	1.75	Round	3.88	P965
	35.0	97F8066	P	1.75	Round	4.75	P965
	40.0	97F8067	P	1.75	Round	4.75	P965
	45.0	97F8068	S	2.00	Round	4.75	P968
	50.0	97F8069	S	2.00	Round	4.75	P968
	55.0	97F8070	S	2.00	Round	4.75	P968
	60.0	97F8071	T	2.50	Round	3.88	P969
	65.0	97F8072	T	2.50	Round	3.88	P969
	70.0	97F8073	T	2.50	Round	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



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