

This series of GEM III – dual rated AC/DC Capacitors is **designed specifically for applications such as AC/DC filters where harmonic frequencies greater than 60Hz are common.** These capacitors are typically used in DC filters at voltages above those served by electrolytic type construction. **Any questions** regarding the suitability of a capacitor for a particular application may be referred to Regal-Beloit Engineers through **contacting your Regal-Beloit sales representative.**

SPECIFICATIONS:

Available Capacitance Range:	3 to 50 μ F
Capacitance Tolerance:	$\pm 6\%$
Capacitance Variation with Temperature:	$\pm 5\%$ from -40°C to +70°C
Rated Voltage:	See Rating Tables. Rating is the Max Peak DC Voltage.
Ripple Voltage:	The RMS ripple voltage should not exceed the following percentages of the rated voltage for these frequencies:

<u>Frequency</u>	<u>% of Rated Voltage</u>
60 Hz	44
120 Hz	30
400 Hz	12
1,000 Hz	8
10,000 Hz	0.6

Operating Temperature:	-30°C to +70°C
Storage Temperature:	-55°C to +70°C
Operating Life:	60,000 hours with 90% survival with proper derating.
Dissipation Factor:	0.3% 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.

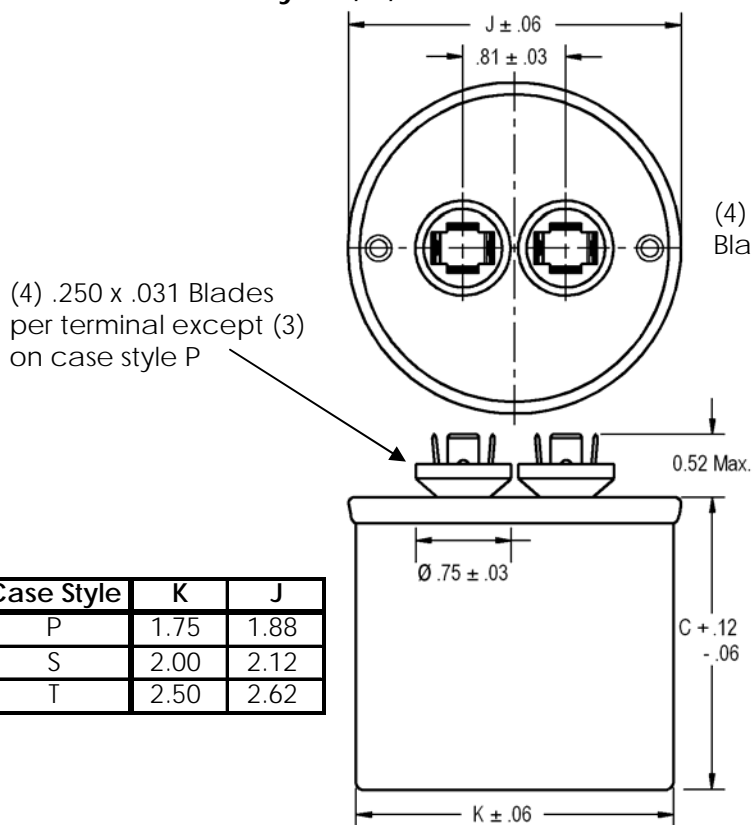
Case Style	RBC Code	Generic UL Code
A	P921	A10000AFC
P	P965	P10000AFC
S	P968	S10000AFC
T	P969	T10000AFC



Single Ratings – 1 Section

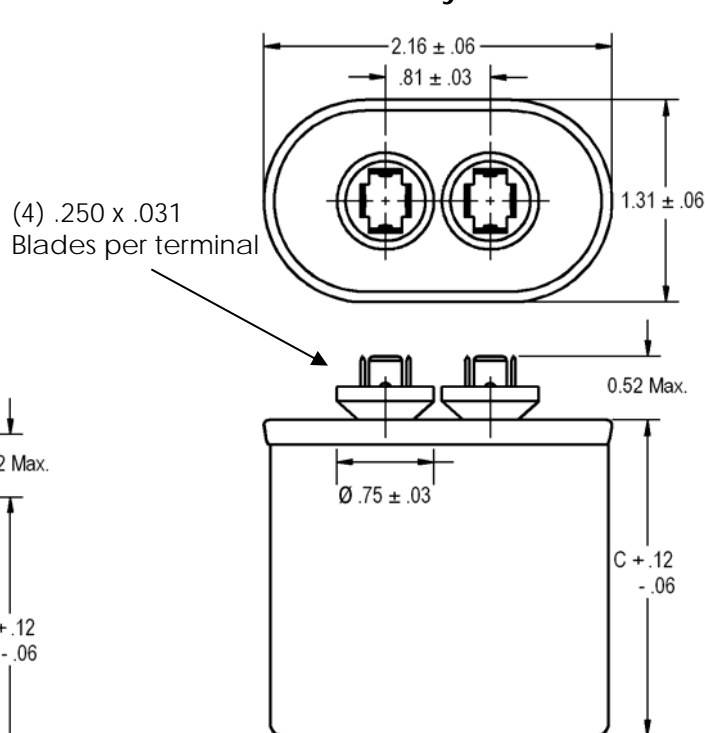
Voltage Rating	Capacitance (μF)	Catalog Number	Case Style	Base Size (in.)	Can Type	Height C (in.)
1000 VDC Peak (440 VAC)	3.0	97F5437	A	1.25	Oval	2.12
	4.0	97F5337	A	1.25	Oval	2.88
	5.0	97F5339	A	1.25	Oval	2.88
	6.0	97F5436	A	1.25	Oval	2.88
	7.5	97F9036	A	1.25	Oval	3.88
	10.0	97F5300	A	1.25	Oval	3.88
	12.5	97F5001	P	1.75	Round	2.88
	15.0	97F9037	P	1.75	Round	2.88
	17.5	97F9038	P	1.75	Round	3.88
	20.0	97F9039	P	1.75	Round	3.88
	25.0	97F9040	P	1.75	Round	4.75
	30.0	97F5023	P	1.75	Round	4.75
	35.0	97F9041	S	2.00	Round	4.75
	40.0	97F5116	S	2.00	Round	4.75
	45.0	97F5209	T	2.50	Round	3.88
	50.0	97F5211	T	2.50	Round	3.88

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 **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).**