

# Aerovox Corp.®

## Microwave Capacitors for Industrial Applications



These capacitors are used in voltage doubler circuits in high voltage microwave oven transformers. The robust design makes them ideal for withstanding an AC voltage equal to two times the peak voltage of the transformer output voltage in industrial microwave applications. .

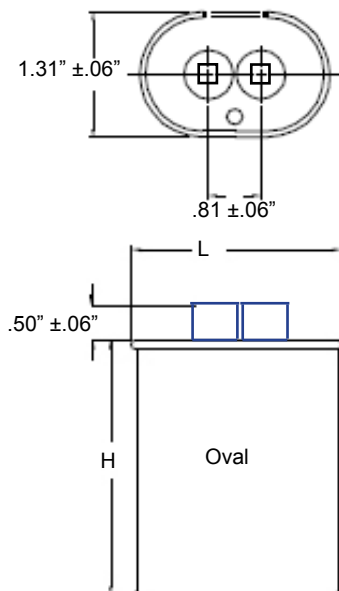
### Highlights

- **Dual Ratings Available**
- **High Voltage Threshold for Corona**
- **Long Life**

### Specifications

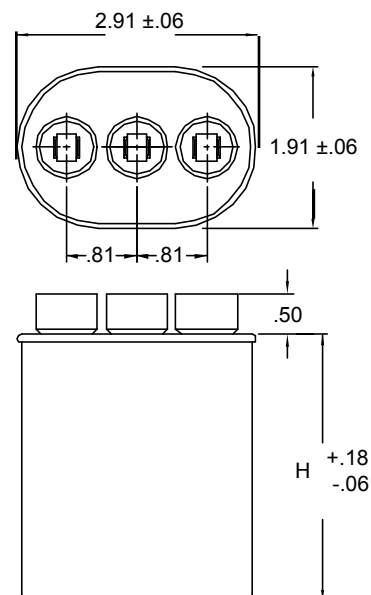
<b>Capacitance Rating:</b>	0.5 $\mu$ F to 2.00 $\mu$ F
<b>Voltage Rating:</b>	1750 Vac to 2500 Vac
<b>Capacitance Tolerance:</b>	$\pm 3\%$
<b>Operating Temperature:</b>	0 to +85 °C
<b>Capacitance Variation with Temperature:</b>	+1% to -1.8% from 0 °C to +85 °C
<b>Operating Life:</b>	3,000 hours
<b>Dissipation Factor (DF):</b>	0.3% maximum @ 60 Hz
<b>Case material:</b>	Tin-plated steel
<b>Terminals:</b>	3 blade terminals with high insulator cups
<b>Available Case Sizes:</b>	1 $\frac{1}{4}$ " Oval standard (1 $\frac{1}{2}$ " oval optional)
<b>Finish:</b>	Unpainted

### Outline Drawing



Case Style  
A

Case Style  
B



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Microwave Capacitors						
Typical Sizes for Vac Professional Class 85 °C						
Catalog Part Number	Cap (µF)	Voltage (Vac)	Case Style	Base Size (inches)	Case Height	
					(Inches)	(mm)
N50H2350G	.50	2300	A	1.25	3.75	95.3
N50H2355G	.55	2300	A	1.25	3.75	95.3
N50H2356G	.56	2300	A	1.25	3.75	95.3
N50H2359G	.59	2300	A	1.25	3.75	95.3
N50H2372G	.72	2300	A	1.25	3.75	95.3
N50H2374G	.74	2300	A	1.25	3.75	95.3
N50H2380G	.80	2300	A	1.25	4.25	107.9
N50H2382G	.82	2300	A	1.25	4.25	107.9
N50H2385G	.85	2300	A	1.25	4.25	107.9
N50H2188G	.88	2100	A	1.25	4.25	107.9
N50H2190G	.90	2100	A	1.25	4.25	107.9
N50H2110G	1.00	2100	A	1.25	4.25	107.9
N50H2110G	1.05	2100	A	1.25	4.75	120.6
N50H2111G	1.10	2100	A	1.25	4.75	120.6
N50H2111G	1.15	2100	A	1.25	4.75	120.8
N50H2112G	1.20	2100	A	1.25	4.75	120.8
N50H2113G	1.30	2100	A	1.25	4.75	120.8