

# Aerovox<sup>®</sup>

## Defibrillator Capacitors

FILM CAPACITORS FOR  
EXTERNAL DEFIBRILLATOR  
APPLICATIONS

RoHS COMPLIANT

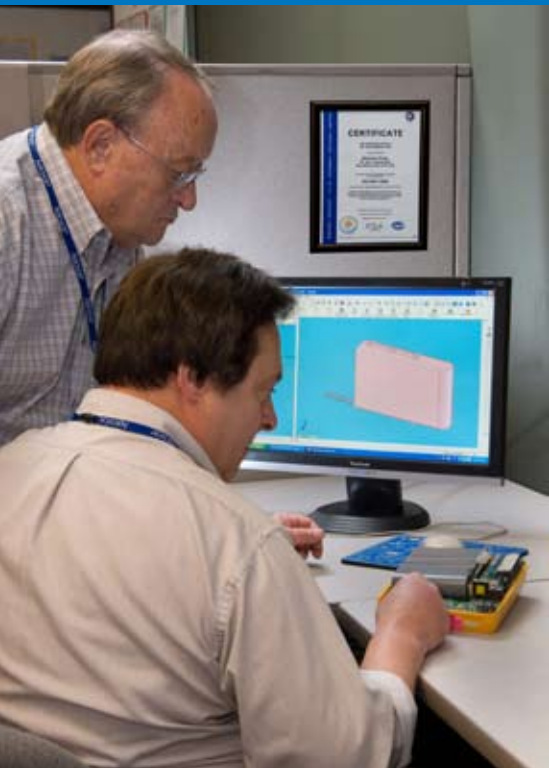


**Intelligent Capacitor Solutions**



Reliability and high level performance position Aerovox as the industry leader in medical capacitors. Aerovox's defibrillator capacitors are designed with extensive process validation to provide high reliability, long life and complete traceability. Their small size makes them ideally suited for use in hospitals, emergency rooms, first responders and public access defibrillators.

If your product or application requires a specialized capacitor, our expert Custom Applications Group engineers are ready to assist you.



**Aerovox provides intelligent capacitor solutions.**

RoHS COMPLIANT

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Aerovox defibrillator capacitors are designed specifically to meet the reliability demands of a Class III medical device.

These capacitors are housed in round or oval metal, oil-filled cases; or in a dry, epoxy-filled plastic housing version. Plastic cases offer excellent design flexibility, and can be customized to specific requirements. They are available in voltage ranges from 800 VDC to 6,000 VDC, delivering in excess of 500 joules at full charge.

### Highlights

- Aluminum, steel or plastic case options
- Round and oval designs
- Available with wire harness
- High energy density
- Monophasic or bi-phasic designs
- Custom designs available
- RoHS compliant

### Specifications

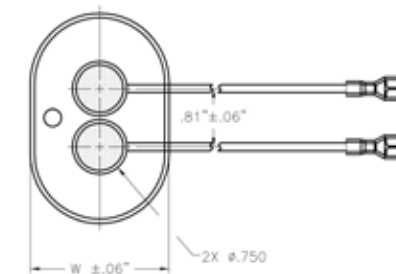
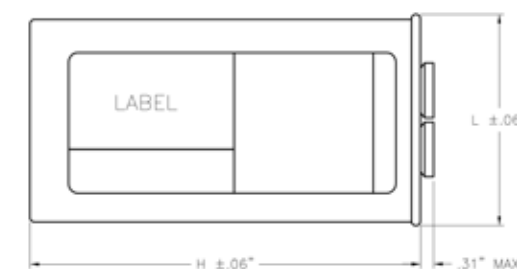
<b>Capacitance Range:</b>	32 to 500 $\mu$ F
<b>Capacitance Tolerance:</b>	$\pm$ 5% Standard
<b>DC Voltage Range:</b>	800 VDC to 6,000 VDC

### Applications

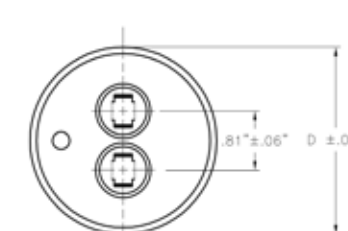
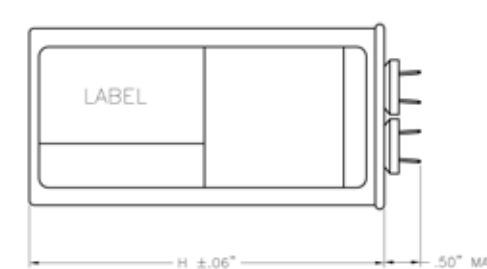
- External Defibrillator
- Pulse Power Applications

### Outline Drawings

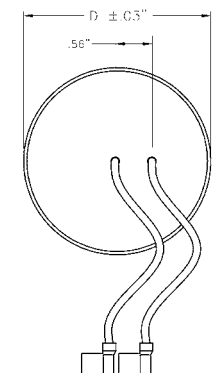
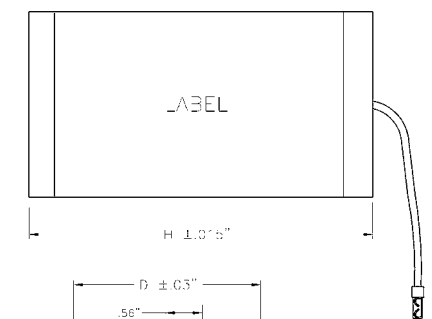
Metal – Oval



Metal – Round



Plastic – Round

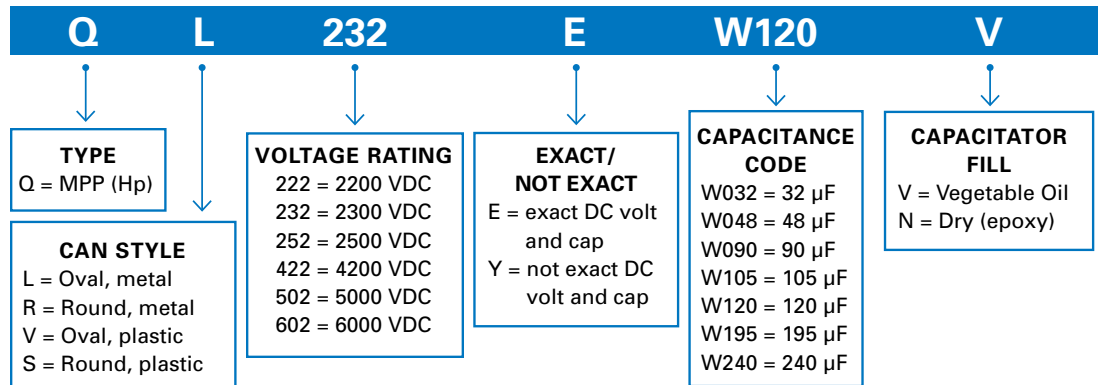


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### Part Numbering System

Aerovox's part numbering system is a descriptive part number made up of several different components such as can type, voltage rating, etc. The descriptors are explained below using QL232EW120V as a representative part number:



CAP (µF)	AEROVOX P/N	VOLTAGE RATING (VDC)	JOULES (J)	STYLE (FILL)	SIZE W x L x H OR D x H (Inches)
120	QL232EW120V	2300	317	Oval, Metal (Oil)	1.91 x 2.91 x 3.75
32	QL502EW032V	5000	400	Oval, Metal (Oil)	1.91 x 2.91 x 6.75
48	QL422YW048V	4200	423	Oval, Metal (Oil)	1.91 x 2.91 x 5.75
195	QL232EW195V	2300	516	Oval, Metal (Oil)	1.91 x 2.91 x 5.75
195	QV232EW195N	2300	516	Oval, Plastic (Dry)	1.76 x 2.75 x 5.75
32	QL602EW032V	6000	576	Oval, Metal (Oil)	1.97 x 3.66 x 6.88
240	QL232EW240V	2300	635	Oval, Metal (Oil)	1.97 x 3.66 x 5.88
105	QR172YW105V	1760	163	Round, Metal (Oil)	1.75 x 4.75
105	QS172YW105N	1760	163	Round, Plastic (Dry)	1.76 x 4.61
105	QR222EW105V	2200	254	Round, Metal (Oil)	2.00 x 4.75
90	QR252EW090V	2500	281	Round, Metal (Oil)	2.50 x 4.75
195	QR222EW195V	2200	472	Round, Metal (Oil)	2.50 x 4.75
195	QS222EW195N	2200	472	Round, Plastic (Dry)	2.57 x 4.69
195	QR232EW195V	2300	516	Round, Metal (Oil)	2.25 x 5.60

### About Aerovox

Aerovox is a leading manufacturer of capacitors for industrial, medical and specialized applications, with world-class design, manufacturing and testing facilities in New Bedford, MA. Global manufacturing facilities in China and India enable quick turn-around for shipping and delivery worldwide.

Aerovox capacitors are among the world's most reliable components. Our extensive custom design and development capabilities coupled with broad, standardized product offerings allow us to provide intelligent capacitor solutions that meet or exceed customers' application requirements.

Our aim is to be the best and most sought after provider of capacitor solutions for specialty markets in the world by achieving the highest level of customer satisfaction with extraordinary emphasis on the creation of value and speed to market.

# Aerovox®

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