

**CAPACITOR
TECHNICAL
DATASHEET**



Date: October 27, 2014
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Aerovox Part Number: QL422YW048V21C

Application/Type
General Purpose Oil Filled Defibrillator

Electrical

Capacitance:		48	μF	
Capacitor Tolerance:		± 5	%	
Rated Voltage:		4,250	Vdc	
Rated Energy:		434	Joules	
Voltage Reversal Normal	Vr	10	%	
Operating Peak Current		170	Amps	@ 4 Pulses/Min
Max Surge Current		500	Amps	@ 80% Vr
Test Voltage:	T-T	4,670	Vdc	@60 Sec
	T-C	10,000	Vdc	@10 Sec
Voltage Bleeddown (25 deg.C)		2	% max.	10 seconds after Rated Voltage
Maximum Dissipation Factor	<	1.5	%	@120Hz, 25°C
Inductance	>	50	nH	
	<	1	uH	
Pulse Life Rating		2.0E+04	Pulses	@ 25°C

Mechanical

Base Size:	C			
Description:	1.75" Oval			
Height	5.75	Inches	146	mm
Length:	2.91	Inches	74	mm
Width:	1.91	Inches	49	mm
Weight (approx):	1.0	lbs	0.47	kg
Terminals:	2X 2 Blade QDC Terminals			
Case Material:	Aluminum			
Cover Material:	Tin-Plated Steel			

Agency Approvals/Certifications
Rohs Compliant

Environmental

Operating Temperature:	-20	°C min.	65	°C max
Storage Temperature:	-40	°C min.	90	°C max
Shock: IEC 68-2-27	50	G peak half sinusoidal shock wave, 11 milisec.		
		on 3 axes, both directions 3 shocks / axis		
Humidity	Mil 810E, 0 to 95% non condensing			
Operating Atmospheric Pressure	375 to 760 mmHg, appx. 15,000 feet			