



## Radial Lead Aluminum Electrolytic Capacitors

+105°C High Frequency

### FEATURES

Low ESR - High Ripple Current - Multiple case sizes

### APPLICATIONS

Filtering - Bypass - Coupling - Blocking

<b>Operating Temperature Range</b>		<b>-55°C to +105°C</b>										
<b>Capacitance Tolerance</b>		<b>+20% at 120 Hz, 20°C</b>										
<b>Surge voltage</b>	<b>WVDC</b>	<b>6.3</b>	<b>10</b>	<b>16</b>	<b>25</b>	<b>35</b>	<b>50</b>					
	<b>SVDC</b>	7.9	13	20	32	44	63					
<b>Dissipation Factor</b>	<b>WVDC</b>	<b>6.3</b>	<b>10</b>	<b>16</b>	<b>25</b>	<b>35</b>	<b>50</b>					
	<b>Tan δ</b>	.26	.22	.18	.16	.14	.12	Add .02 for every 1000uF above 1000uF				
<b>Leakage current</b>		<b>1 Minute</b>										
		.03CV										
<b>Low temperature stability Impedance ratio (120 Hz)</b>	<b>WVDC</b>	<b>6.3</b>	<b>10</b>	<b>16</b>	<b>25</b>	<b>35</b>	<b>50</b>					
	<b>-55°C to +20°C</b>	6	6	4	4	4	3					
<b>Load Life</b>		<b>3000 hours at 105°C with rated WVDC and ripple current applied (2000 hrs for D<sub>≤6.3</sub>)</b>										
		<b>Capacitance change</b>		≤20% of initial measured value								
		<b>Dissipation factor</b>		≤200% of maximum specified value								
		<b>Leakage current</b>		≤100% of maximum specified value								
<b>Shelf Life</b>		<b>1000 hours at 105°C with no voltage applied</b>										
		<b>Capacitance change</b>		≤20% initial measured value								
		<b>Dissipation factor</b>		≤200% of maximum specified value								
		<b>Leakage current</b>		≤100% of maximum specified value								
<b>Ripple Current Multipliers</b>		<b>Frequency (Hz)</b>						<b>Temperature (°C)</b>				
		<b>Capacitance</b>	50	120	300	1k	10k	100k	+105	+85	+65	+50
		<b>C&lt;4.7</b>	.3	.43	.7	.54	.83	1.0	1.0	1.73	2.19	2.4
		<b>4.7&lt;C≤33</b>	.38	.51	.62	.76	.87	1.0	1.0	1.73	2.19	2.4
		<b>33&lt;C≤100</b>	.48	.6	.71	.85	.9	1.0	1.0	1.73	2.19	2.4
		<b>100&lt;C≤270</b>	.6	.72	.8	.91	.95	1.0	1.0	1.73	2.19	2.4
		<b>270&lt;C≤1000</b>	.68	.83	.9	.96	1.0	1.0	1.0	1.73	2.19	2.4
		<b>C&gt;1000</b>	.82	.91	.98	.98	1.0	1.0	1.0	1.73	2.19	2.4



<b>D</b>	<b>5</b>	<b>6.3</b>	<b>8</b>	<b>10</b>	<b>12.5</b>	<b>16</b>	<b>18</b>
<b>S</b>	2.0	2.5	3.5	5.0	5.0	7.5	7.5
<b>d</b>	0.5	0.5	0.6	0.6	0.6	0.8	0.8

L≤16mm, L<sub>1</sub>=L+1.5mm Max.

L>16mm, L<sub>1</sub>=L+2mm Max.

D<sub>1</sub>=D+0.5mm Max.

S<sub>1</sub>=S+0.5 mm

