



## Aluminum Electrolytic Capacitors

+85°C Low Leakage, Axial Lead

### FEATURES

Small size - High voltage - General purpose

### APPLICATIONS

Inverters – DC link – AC/DC motor controls – Solar inverters

<b>Operating Temperature Range</b>		<b>-40°C to +85°C</b>												
<b>Capacitance Tolerance</b>		<b>±20% at 120 Hz, 20°C</b>												
<b>Surge Voltage</b>	<b>WVDC</b>	<b>10</b>	<b>16</b>	<b>25</b>	<b>35</b>	<b>50</b>								
	<b>SVDC</b>	13	20	32	44	63								
<b>Dissipation Factor</b>	<b>WVDC</b>	<b>10</b>	<b>16</b>	<b>25</b>	<b>35</b>	<b>50</b>								
	<b>Tan δ</b>	.2	.16	.14	.12	.1								
<b>Leakage Current</b>		<b>2 Minutes</b>												
		.002CV or 0.4uA, Whichever is greater												
<b>Low Temperature Stability Impedance Ratio (120 Hz)</b>	<b>WVDC</b>	<b>10</b>	<b>16</b>	<b>25</b>	<b>35</b>	<b>50</b>								
	<b>-25°C to +20°C</b>	3	2	2	2	2								
	<b>-40°C to +20°C</b>	8	6	4	3	3								
<b>Load Life</b>		<b>2000 hours at 105°C with rated WVDC and ripple current applied</b>												
		<b>Capacitance Change</b>	≤20% of initial measured value											
		<b>Dissipation Factor</b>	≤150% 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>Capacitance</b>	<b>Frequency (Hz)</b>					<b>Temperature (°C)</b>						
		<b>uF</b>	<b>50</b>	<b>120</b>	<b>400</b>	<b>1k</b>	<b>10k</b>	<b>50k</b>	<b>+85</b>	<b>+70</b>	<b>+60</b>	<b>+30</b>		
		<b>C≤10</b>	.8	1.0	1.3	1.45	1.65	1.7	1.0	1.3	1.5	1.8		
		<b>10&lt;C≤100</b>	.8	1.0	1.23	1.36	1.48	1.53	1.0	1.3	1.5	1.8		



D	5	6.3	8
d	0.5	0.5	0.6
B	0.5	0.5	0.5

$L_1 = L + 1.0\text{mm Max.}$  mm  
 $D_1 = D + B \text{ Max.}$

