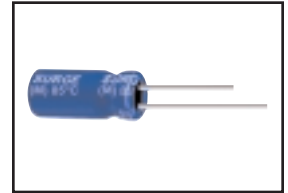




ALUMINUM ELECTROLYTIC CAPACITORS

FEATURES

- 85°C, 1000 HOURS ASSURED, NON-POLARIZED SERIES WITH 5MM HEIGHT
- SUITABLE FOR USE IN CIRCUITS WHICH HAS A REVERSED OR UNKNOWN POLARITY

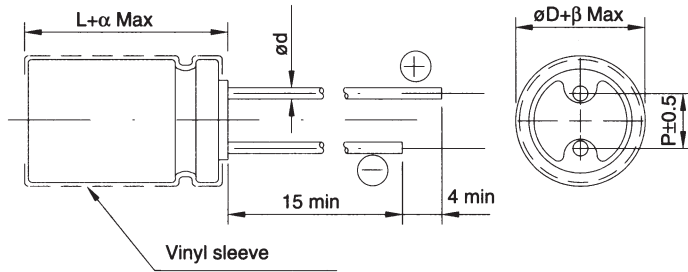


SPECIFICATIONS

Items	Performance																								
Operating Temperature Range	-40°C~+85°C																								
Capacitance Tolerance	±20% (at 120Hz, 20°C)																								
Leakage Current (at 20°C)	I = 0.05CV or 10(µA) whichever is greater (after 2 minutes) Where, C = rated capacitance in µF. V = rated DC working voltage in V.																								
Dissipation Factor (Tan δ at 120 Hz, 20°C)	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>Rated Voltage</td> <td>4</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> </tr> <tr> <td>Tan δ (max)</td> <td>0.35</td> <td>0.24</td> <td>0.20</td> <td>0.17</td> <td>0.17</td> <td>0.15</td> <td>0.15</td> </tr> </table>	Rated Voltage	4	6.3	10	16	25	35	50	Tan δ (max)	0.35	0.24	0.20	0.17	0.17	0.15	0.15								
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Low Temperature Characteristics (at 120-Hz)	<p>Impedance ratio shall not exceed the values given in the table below.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>Rated Voltage</td> <td>4</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> </tr> <tr> <td>Impedance Ratio $Z(-25°C)/Z(+20°C)$</td> <td>7</td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Impedance Ratio $Z(-40°C)/Z(+20°C)$</td> <td>15</td> <td>10</td> <td>8</td> <td>6</td> <td>4</td> <td>3</td> <td>3</td> </tr> </table>	Rated Voltage	4	6.3	10	16	25	35	50	Impedance Ratio $Z(-25°C)/Z(+20°C)$	7	4	3	2	2	2	2	Impedance Ratio $Z(-40°C)/Z(+20°C)$	15	10	8	6	4	3	3
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Load Life Test (after application of the rated voltage at 85 °C, the polarity inverted every 250hrs.)	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>Test Time</td> <td>1000 Hrs</td> </tr> <tr> <td>Capacitance Change 4~6.3V</td> <td>≤ ± 30%</td> </tr> <tr> <td>Capacitance Change 10~50V</td> <td>≤ ± 25%</td> </tr> <tr> <td>Dissipation Factor</td> <td>Less than 200% of specified value</td> </tr> <tr> <td>Leakage Current</td> <td>Within specified value</td> </tr> </table> <p>*The above specifications shall be satisfied when the capacitors are restored to 20 °C after the rated voltage applied for 1000 hrs at 85°C.</p>	Test Time	1000 Hrs	Capacitance Change 4~6.3V	≤ ± 30%	Capacitance Change 10~50V	≤ ± 25%	Dissipation Factor	Less than 200% of specified value	Leakage Current	Within specified value														
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DIAGRAM OF DIMENSIONS



Unit: mm
LEAD SPACING AND DIAMETER

øD	4	5	6.3
P	1.5	2.0	2.5
ø d	0.45		
α	1.0		
β	0.5		

DIMENSION & PERMISSIBLE RIPPLE CURRENT

Dimension: ø D x L(mm)
 Ripple Current: mA/rms at 120 Hz, 85 °C

VDC	μF	code	4V (0G)		6.3V (0J)		10V (1A)		16V (1C)		25V (1E)		35V (1V)		50V (1H)	
			ø D x L	mA	ø D x L	mA	ø D x L	mA	ø D x L	mA	ø D x L	mA	ø D x L	mA	ø D x L	mA
	0.1	0R1													4 x 5	1.9
	0.22	R22													4 x 5	2.9
	0.33	R33													4 x 5	3.5
	0.47	R47													4 x 5	4.2
	1	010										4 x 5	5.5	4 x 5	6.1	
	2.2	2R2								4 x 5	8	4 x 5	9.1	5 x 5	10	
	3.3	3R3						4 x 5	9	4 x 5	10	5 x 5	12	5 x 5	13	
	4.7	4R7				4 x 5	11	4 x 5	12	5 x 5	14	5 x 5	15	6.3 x 5	16	
	10	100	4 x 5	19	4 x 5	15	5 x 5	19	5 x 5	21	6.3 x 5	22	6.3 x 5	24		
	22	220	5 x 5	23	5 x 5	26	6.3 x 5	31	6.3 x 5	33						
	33	330	6.3 x 5	30	6.3 x 5	36	6.3 x 5	38								
	47	470	6.3 x 5	36	6.3 x 5	41										