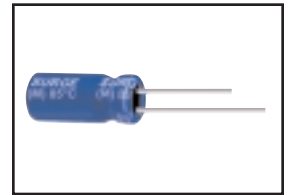




**ALUMINUM ELECTROLYTIC CAPACITORS
SUPER MINIATURE TYPE (7mm LENGTH)**

FEATURES

- THE SMALL SIZE AND LOW PROFILE OF THE SSS/SSSL SERIES MAKE THEM ESPECIALLY SUITABLE FOR COMPACT EQUIPMENT.

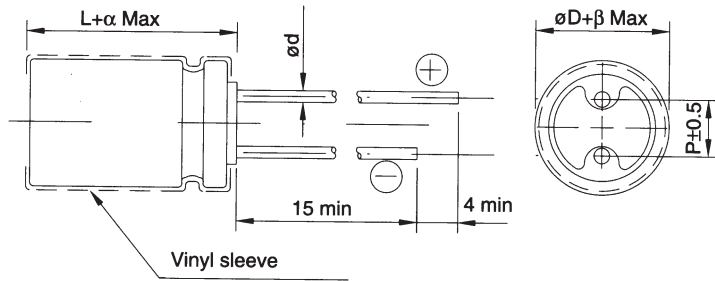


SPECIFICATIONS

Items	Performance																												
	SSS	SSSL																											
Life	At 85°C 1000 Hrs	At 85°C 2000 Hrs																											
Operating Temperature Range	-40°C~+85°C																												
Capacitance Tolerance	±20% (at 120Hz, 20°C)																												
Leakage Current (at 20 °C)	I = 0.01CV or 3(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"> <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> <td>63</td> </tr> <tr> <td>Tan δ (max)</td> <td>0.35</td> <td>0.23</td> <td>0.20</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> <td>0.10</td> </tr> </table>		Rated Voltage	4	6.3	10	16	25	35	50	63	Tan δ (max)	0.35	0.23	0.20	0.16	0.14	0.12	0.10	0.10									
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Low Temperature Characteristics (at 120 Hz)	Impedance ratio shall not exceed the values given in the table below. <table border="1"> <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> <td>63</td> </tr> <tr> <td>Impedance Z(-25°C)/Z(+20°C)</td> <td>7</td> <td>4</td> <td>3</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Ratio Z(-40°C)/Z(+20°C)</td> <td>14</td> <td>10</td> <td>8</td> <td>6</td> <td>4</td> <td>4</td> <td>4</td> <td>4</td> </tr> </table>		Rated Voltage	4	6.3	10	16	25	35	50	63	Impedance Z(-25°C)/Z(+20°C)	7	4	3	3	2	2	2	2	Ratio Z(-40°C)/Z(+20°C)	14	10	8	6	4	4	4	4
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Load Life Test	<table border="1"> <tr> <td>Test Time</td> <td>1000 / 2000 Hrs</td> </tr> <tr> <td>Capacitance Change</td> <td>≤ ± 20%</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 1000/2000 hrs at 85°C.</p>		Test Time	1000 / 2000 Hrs	Capacitance Change	≤ ± 20%	Dissipation Factor	Less than 200% of specified value	Leakage Current	Within specified value																			
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Ripple Current & Frequency Multipliers	<table border="1"> <tr> <td>Freq. (Hz)</td> <td>60 (50)</td> <td>120</td> <td>500</td> <td>1K</td> <td>10K up</td> </tr> <tr> <td>Cap. (µF) Under 47</td> <td>0.70</td> <td>1.00</td> <td>1.20</td> <td>1.30</td> <td>1.45</td> </tr> <tr> <td>47 to 220</td> <td>0.80</td> <td>1.00</td> <td>1.10</td> <td>1.15</td> <td>1.20</td> </tr> </table>		Freq. (Hz)	60 (50)	120	500	1K	10K up	Cap. (µF) Under 47	0.70	1.00	1.20	1.30	1.45	47 to 220	0.80	1.00	1.10	1.15	1.20									
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Standards	Satisfies Characteristic W of JIS C 5141																												



DIAGRAM OF DIMENSIONS



Unit: mm
LEAD SPACING AND DIAMETER

øD	4	5	6.3	8
P	1.5	2.0	2.5	3.5
ø d	0.45	0.5		
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

µF	code	4V (0G)		6.3V (0J)		10V (1A)		16V (1C)		25V (1E)		35V (1V)		50V (1H)		63V (1J)	
		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	ø D x L	mA
0.1	0R1													4 x 7	2	4 x 7	2
0.22	R22													4 x 7	3	4 x 7	3
0.33	R33													4 x 7	4	4 x 7	4.4
0.47	R47													4 x 7	5	4 x 7	7.9
1	010													4 x 7	10	4 x 7	11
2.2	2R2													4 x 7	15	4 x 7	17
3.3	3R3													4 x 7	18	4 x 7	21
4.7	4R7											4 x 7	22	5 x 7 (4 x 7)	23 (22)	5 x 7	26
10	100						4 x 7	25	4 x 7	26	5 x 7 (4 x 7)	30 (26)	6.3 x 7 (5 x 7)	34 (31)	6.3 x 7	40	
22	220			4 x 7	31	4 x 7	32	5 x 7 (4 x 7)	39 (33)	5 x 7 (4 x 7)	41 (34)	6.3 x 7	47	6.3 x 7	53	8 x 7	70
33	330	4 x 7	32	4 x 7	32	4 x 7	35	5 x 7	43	6.3 x 7	53	8 x 7 (6.3 x 7)	71 (60)	8 x 7 (6.3 x 7)	76 (65)		
47	470	4 x 7	38	4 x 7	38	5 x 7 (4 x 7)	47 (39)	6.3 x 7 (5 x 7)	59 (49)	6.3 x 7	65	8 x 7	83	8 x 7	85		
100	101	5 x 7	61	6.3 x 7 (5 x 7)	75 (63)	6.3 x 7	80	6.3 x 7	90	8 x 7	125						
220	221	6.3 x 7	90	6.3 x 7	99	8 x 7	140	8 x 7	146								
330	331	8 x 7	129	8 x 7	156												
470	471	8 x 7	154														