



# Aluminum Electrolytic Capacitors

**SSL**

## Features

- 85°C, 1,000 hours assured, 5mm height with low leakage current
- Use in very compact high temperature industrial equipment
- RoHS Compliance

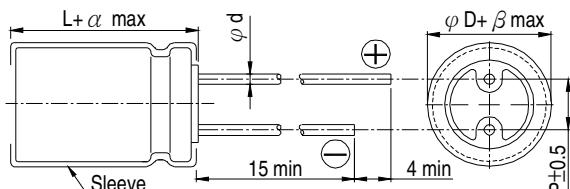


Sleeve & Marking Color: Orange & Black

## SPECIFICATIONS

Items	Performance																																							
Category Temperature Range	-40°C ~ +85°C																																							
Capacitance Tolerance	±20% (at 120Hz, 20°C)																																							
Leakage Current (at 20°C)	I = 0.002CV or 0.4 (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 120Hz, 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> </tr> <tr> <td>Tan δ (max)</td> <td>0.35</td> <td>0.27</td> <td>0.23</td> <td>0.19</td> <td>0.15</td> <td>0.13</td> <td>0.11</td> </tr> </table>								Rated Voltage	4	6.3	10	16	25	35	50	Tan δ (max)	0.35	0.27	0.23	0.19	0.15	0.13	0.11																
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Low Temperature Characteristics (at 120Hz)	<p>Impedance ratio shall not exceed the values given in the table below.</p> <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> </tr> <tr> <td>Impedance Ratio Z(-25°C)/Z(+20°C)</td> <td>6</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z(-40°C)/Z(+20°C)</td> <td>12</td> <td>9</td> <td>7</td> <td>5</td> <td>3</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)	6	3	2	2	2	2	2	Z(-40°C)/Z(+20°C)	12	9	7	5	3	3	3								
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Endurance	<table border="1"> <tr> <td>Test Time</td> <td colspan="7">1,000 Hrs</td></tr> <tr> <td>Capacitance Change</td> <td colspan="7">Within ±30% of initial value for 4 ~ 6.3V; Within ±25% of initial value for 10 ~ 50V</td></tr> <tr> <td>Dissipation Factor</td> <td colspan="7">Less than 200% of specified value</td></tr> <tr> <td>Leakage Current</td> <td colspan="7">Within specified value</td></tr> </table>								Test Time	1,000 Hrs							Capacitance Change	Within ±30% of initial value for 4 ~ 6.3V; Within ±25% of initial value for 10 ~ 50V							Dissipation Factor	Less than 200% of specified value							Leakage Current	Within specified value						
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Shelf Life Test		Test time: 500 hours; other items are the same as those for the Endurance.																																						

## DIAGRAM OF DIMENSIONS



## LEAD SPACING AND DIAMETER Unit: mm

φ D	4	5	6.3
P	1.5	2.0	2.5
φ d	0.45		
α	1.0		
β	0.5		

Dimension:  $\phi D \times L$ (mm)

Ripple Current: mA/rms at 120 Hz, 85°C

V. DC μF	Contents	4V (0G)		6.3V (0J)		10V (1A)		16V (1C)		25V (1E)		35V (1V)		50V (1H)	
		φ D×L	mA	φ D×L	mA	φ D×L	mA	φ D×L	mA	φ D×L	mA	φ D×L	mA	φ D×L	mA
0.1	0R1													4x5	1
0.22	R22													4x5	2
0.33	R33													4x5	3
0.47	R47													4x5	3.8
1	010													4x5	6.9
2.2	2R2													4x5	10
3.3	3R3													4x5	13
4.7	4R7									4x5	14	4x5	16	5x5	19
10	100							4x5	19	5x5	23	5x5	24	6.3x5	32
22	220			4x5	22	5x5	24	5x5	28	6.3x5	38	6.3x5	42		
33	330	5x5	27	5x5	28	5x5	30	6.3x5	41	6.3x5	46				
47	470	5x5	32	5x5	34	6.3x5	43	6.3x5	50						
100	101	6.3x5	54	6.3x5	60										