

Features:

- 4 ~ 16 ϕ , 105°C, 2,000 ~ 5,000 hours assured
- Large capacitance with ultra low impedance capacitors
- Designed for surface mounting on high density PC board
- RoHS Compliance



SPECIFICATIONS

Items	Performance																																								
Operating Temperature Range	6.3 ~ 63V	80 ~ 100V																																							
	-55°C ~ +105°C	-40°C ~ +105°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 120Hz, 20°C)	<table border="1"> <tr> <td>Rated Voltage</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> <td>80</td> <td>100</td> </tr> <tr> <td>Tanδ(max)</td> <td>0.30</td> <td>0.26</td> <td>0.22</td> <td>0.16</td> <td>0.13</td> <td>0.10</td> <td>0.08</td> <td>0.08</td> <td>0.07</td> </tr> </table>										Rated Voltage	6.3	10	16	25	35	50	63	80	100	Tanδ(max)	0.30	0.26	0.22	0.16	0.13	0.10	0.08	0.08	0.07											
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When the capacitance exceeds 1,000μF, 0.02 shall be added every 1,000μF increase.																																									
Low Temperature Characteristics (at 120Hz)	Impedance ratio shall not exceed the values given in the table below.																																								
	<table border="1"> <tr> <td colspan="2">Rated Voltage</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> <td>80</td> <td>100</td> </tr> <tr> <td rowspan="2">Impedance Ratio</td> <td>Z(-25°C)/Z(+20°C)</td> <td>4</td> <td>3</td> <td>2</td> <td>2</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>8</td> <td>5</td> <td>4</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> </tr> </table>										Rated Voltage		6.3	10	16	25	35	50	63	80	100	Impedance Ratio	Z(-25°C)/Z(+20°C)	4	3	2	2	2	2	2	2	2	Z(-40°C)/Z(+20°C)	8	5	4	3	3	3	3	3
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Load Life Test	Test Time	2,000 Hrs for 4 ~ 6.3 ϕ				5,000 Hrs for 8 ~ 16 ϕ																																			
	Capacitance Change	Within ±30% of initial value																																							
	Dissipation Factor	Less than 300% of specified value																																							
	Leakage Current	Within specified value																																							
* The above specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage applied for 2,000 ~ 5,000 hrs at 105°C.																																									
Shelf Life Test	Test time: 1,000 hrs; other items are the same as those for the load life test.																																								
Ripple Current & Frequency Multipliers	<table border="1"> <tr> <td rowspan="2">V.DC(V)</td> <td>Freq.(Hz)</td> <td>50, 60</td> <td>120</td> <td>1K</td> <td>10K up</td> </tr> <tr> <td>6.3 ~ 100</td> <td>0.64</td> <td>0.8</td> <td>0.93</td> <td>1.0</td> </tr> </table>										V.DC(V)	Freq.(Hz)	50, 60	120	1K	10K up	6.3 ~ 100	0.64	0.8	0.93	1.0																				
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Other Standards	JIS C 5101-1, -18																																								

DIAGRAM OF DIMENSIONS

Fig. 1

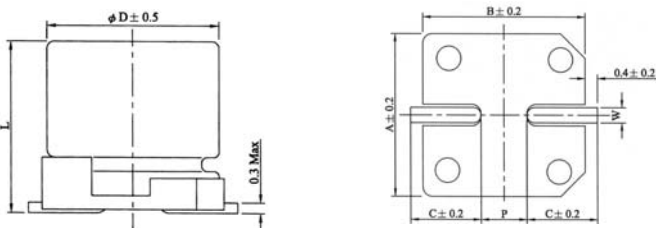
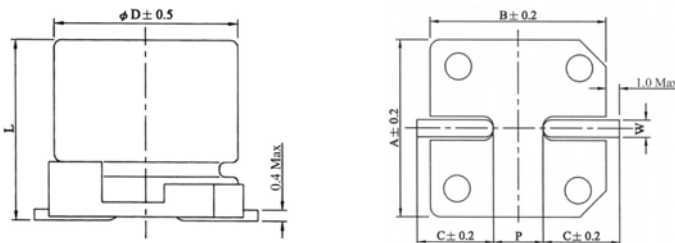


Fig. 2



LEAD SPACING AND DIAMETER

Unit: mm

ϕ D	L	A	B	C	W	P±0.2	Fig. No.
4	5.7±0.3	4.3	4.3	2.0	0.5 to 0.8	1.0	1
5	5.7±0.3	5.3	5.3	2.3	0.5 to 0.8	1.5	1
6.3	5.7±0.3	6.3	6.3	2.7	0.5 to 0.8	2.0	1
6.3	7.7±0.3	6.6	6.6	2.7	0.5 to 0.8	2.0	1
8	10±0.5	8.4	8.4	3.0	0.7 to 1.1	3.1	1
8	10.3±0.5	8.4	8.4	3.0	0.7 to 1.1	3.1	1
10	10±0.5	10.4	10.4	3.3	0.7 to 1.1	4.7	1
10	10.3±0.5	10.4	10.4	3.3	0.7 to 1.1	4.7	1
12.5	13.5±0.5	12.8	12.8	4.9	1.1 to 1.4	4.2	2
12.5	16±0.5	12.8	12.8	4.9	1.1 to 1.4	4.2	2
16	16.5±0.5	16.3	16.3	5.8	1.1 to 1.4	6.0	2

