



φD	L	A	B	C	W	P
4	5.5	4.3	4.3	5.1	0.5~0.8	1.0
5	5.5	5.3	5.3	5.9	0.5~0.8	1.4
6.3	5.5	6.6	6.6	7.2	0.5~0.8	1.9
8	6.5	8.3	8.3	9.0	0.5~0.8	2.3
8	10.5	8.3	8.3	9.0	0.7~1.1	3.1
10	10.5	10.3	10.3	11.0	0.7~1.1	4.5

**LLV SERIES**

- Features
  - 85 stand, case diameter Ø4~ Ø10mm
  - Reflow soldering is available
  - Available for high density mounting
  - For detail specifications, please refer to Engineering Bulletin No.E130
- Specifications

Item	Performance Characteristics																								
Operating Temperature Range	-40 ~ +85																								
Rated Voltage Range	4 ~ 50 VDC																								
Capacitance Tolerance	±20% at 120Hz,20																								
Capacitance Range	0.1 μ F to 1000 μ F																								
Leakage Current (+20 °C, max)	I ≤ 0.01CV or 3(μ A) After 2 minutes, whichever is greater measured with rated working voltage applied																								
Dissipation Factor (tan δ)	<table border="1"> <thead> <tr> <th>Rated voltage(VDC)</th> <th>4</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> </tr> </thead> <tbody> <tr> <td>D.F.(%) Ø4~6.3</td> <td>0.4</td> <td>0.26</td> <td>0.22</td> <td>0.18</td> <td>0.16</td> <td>0.13</td> <td>0.12</td> </tr> <tr> <td>max Ø8~10</td> <td>-</td> <td>0.35</td> <td>0.26</td> <td>0.20</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> </tr> </tbody> </table> (+20 °C, at 120Hz)	Rated voltage(VDC)	4	6.3	10	16	25	35	50	D.F.(%) Ø4~6.3	0.4	0.26	0.22	0.18	0.16	0.13	0.12	max Ø8~10	-	0.35	0.26	0.20	0.16	0.14	0.12
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Load Life	After 2000 hours, application of rated voltage at 85 °C, capacitors meet the characteristics requirements listed as follows. <table border="1"> <tbody> <tr> <td>Capacitance Change</td> <td>Within ±25% of the initial value</td> </tr> <tr> <td>Dissipation Factor</td> <td>Not more than 200% of the specified value</td> </tr> <tr> <td>Leakage Current</td> <td>Not more than the specified value</td> </tr> </tbody> </table>	Capacitance Change	Within ±25% of the initial value	Dissipation Factor	Not more than 200% of the specified value	Leakage Current	Not more than the specified value																		
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Shelf Life	Test conditions Duration time : 1000Hrs Ambient temperature : +85 Applied voltage : None  After test requirements at +20 °C : Same limits as Load life. Pre-treatment for measurements shall be conducted after application of DC working voltage for 30 minutes																								

