

LHV SERIES

- Features
 - Long life of 2000 hrs at 105
 - Reflow soldering is available
 - Available for high density mounting
 - For detail specifications, please refer to Engineering Bulletin No.E131
- Specifications

Item	Performance Characteristics																					
Operating Temperature Range	-40 ~ +105																					
Rated Voltage Range	6.3 ~ 50 VDC																					
Capacitance Tolerance	±20% at 120Hz,20																					
Capacitance Range	0.1 μ F to 1000 μ F																					
Leakage Current (+20 °C, max)	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>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.(%) max</td> <td>0.3</td> <td>0.24</td> <td>0.2</td> <td>0.16</td> <td>0.14</td> <td>0.14</td> </tr> </tbody> </table> (+20 °C, at 120Hz)	Rated voltage(VDC)	6.3	10	16	25	35	50	D.F.(%) max	0.3	0.24	0.2	0.16	0.14	0.14							
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Load Life	After 2000 hours, application of rated voltage at 105 °C, capacitors meet the characteristics requirements listed as bellows. <table border="1"> <tbody> <tr> <td>Capacitance Change</td> <td>With in ±30% of the intial value(8,10:±25%)</td> </tr> <tr> <td>Dissipation Factor</td> <td>Not more than 300% of the specified value(8,10:±200%)</td> </tr> <tr> <td>Leakage Current</td> <td>Not more than the specified value</td> </tr> </tbody> </table>	Capacitance Change	With in ±30% of the intial value(8,10:±25%)	Dissipation Factor	Not more than 300% of the specified value(8,10:±200%)	Leakage Current	Not more than the specified value															
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Shelf Life	Test conditions Duration time : 1000Hrs Ambient temperature : +105 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																					

