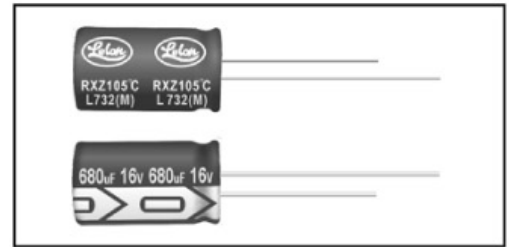


Feature

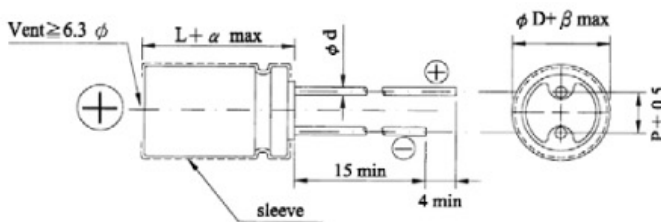
- 105°C, 2,000 hours assured, Low Impedance type
- Enabled high ripple current by a reduction of ESR high frequency range, suitable for computer motherboard
- RoHS Compliance



SPECIFICATIONS

Items	Performance														
Operating Temperature Range	-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"> <thead> <tr> <th>Rated Voltage</th> <th>6.3</th> <th>10</th> <th>16</th> </tr> </thead> <tbody> <tr> <td>Tan δ (max)</td> <td>0.22</td> <td>0.19</td> <td>0.16</td> </tr> </tbody> </table> <p>When the capacitance exceeds 1,000 µF, 0.02 shall be added every 1,000 µF increase.</p>	Rated Voltage	6.3	10	16	Tan δ (max)	0.22	0.19	0.16						
Rated Voltage	6.3	10	16												
Tan δ (max)	0.22	0.19	0.16												
Low Temperature Characteristics (at 120Hz)	<p>Impedance ratio shall not exceed the values given in the table below.</p> <table border="1"> <thead> <tr> <th colspan="2">Rated Voltage</th> <th>6.3</th> <th>10</th> <th>16</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Impedance Ratio</td> <td>Z(-25°C)/Z(+20°C)</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z(-40°C)/Z(+20°C)</td> <td>3</td> <td>3</td> <td>3</td> </tr> </tbody> </table>	Rated Voltage		6.3	10	16	Impedance Ratio	Z(-25°C)/Z(+20°C)	2	2	2	Z(-40°C)/Z(+20°C)	3	3	3
Rated Voltage		6.3	10	16											
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Load Life Test	<table border="1"> <thead> <tr> <th>Test Time</th> <th>2,000 Hrs</th> </tr> </thead> <tbody> <tr> <td>Capacitance Change</td> <td>Within ±25% of initial value</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> </tbody> </table> <p>* The above specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage applied with rated ripple current for 2,000 hrs at 105°C.</p>	Test Time	2,000 Hrs	Capacitance Change	Within ±25% of initial value	Dissipation Factor	Less than 200% of specified value	Leakage Current	Within specified value						
Test Time	2,000 Hrs														
Capacitance Change	Within ±25% of initial value														
Dissipation Factor	Less than 200% of specified value														
Leakage Current	Within specified value														
Shelf Life Test	Test time: 500 hrs; other items are the same as those for the load life test.														
Ripple Current & Frequency Multipliers	<table border="1"> <thead> <tr> <th>Frequency.(Hz)</th> <th>120</th> <th>1K</th> <th>10K</th> <th>100K up</th> </tr> </thead> <tbody> <tr> <td>Multiplier</td> <td>0.5</td> <td>0.8</td> <td>0.9</td> <td>1.0</td> </tr> </tbody> </table>	Frequency.(Hz)	120	1K	10K	100K up	Multiplier	0.5	0.8	0.9	1.0				
Frequency.(Hz)	120	1K	10K	100K up											
Multiplier	0.5	0.8	0.9	1.0											

DIAGRAM OF DIMENSIONS



LEAD SPACING AND DIAMETER Unit: mm

φ D	8	10
P	3.5	5.0
φ d	0.6	
α	1.0	1.5
β	0.5	

Dimension: φ D×L(mm)

Ripple Current: mA/rms at 100KHz, 105°C

Impedance: Ω at 100KHz, 20°C

DIMENSION & PERMISSIBLE RIPPLE CURRENT

φ D×L	6.3V (0J)			10V (1A)			16V (1C)		
	µF	Impedance	Ripple Current	µF	Impedance	Ripple Current	µF	Impedance	Ripple Current
8×11.5	820	0.040	1,140	680	0.040	1,140	470	0.040	1,140
8×16	1,200	0.028	1,490	1,000	0.028	1,490	680	0.028	1,490
8×20	1,800	0.019	1,870	1,500	0.019	1,870	1,000	0.019	1,870
10×12.5	1,500	0.026	1,540	1,000	0.026	1,540	680	0.026	1,540
10×16	1,800	0.019	2,000	1,500	0.019	2,000	1,000	0.019	2,000
10×20	2,200	0.013	2,550	1,800	0.013	2,550	1,500	0.013	2,550
10×23	3,300	0.012	2,800	2,200	0.012	2,800	1,800	0.012	2,800