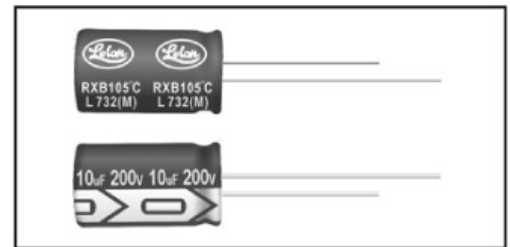


Feature

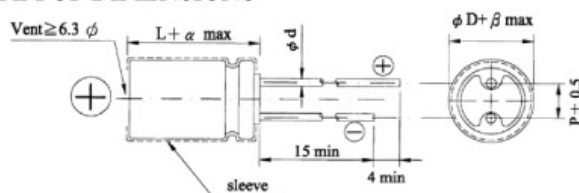
- 105°C, 5,000 hours assured
- Suitable for switching power supplies, UPS, Ballast
- Smaller size with large permissible ripple current
- RoHS Compliance



SPECIFICATIONS

Items	Performance																													
Rated Voltage Range	200 ~ 400V			450V																										
Operating Temperature Range	-40℃ ~ +105℃			-25℃ ~ +105℃																										
Capacitance Tolerance	±20% (at 120Hz, 20℃)																													
Leakage Current (at 20℃)	<table><tr><td>Time</td><td colspan="5">after 5 minutes</td></tr><tr><td>Leakage Current</td><td colspan="2">CV ≤ 1,000 I = 0.03CV(μA)</td><td colspan="3">CV > 1,000 I = 0.02CV(μA)</td></tr></table> Where, C = rated capacitance in μF V = rated DC working voltage in V						Time	after 5 minutes					Leakage Current	CV ≤ 1,000 I = 0.03CV(μA)		CV > 1,000 I = 0.02CV(μA)														
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Dissipation Factor (Tan δ at 120Hz, 20℃)	<table><tr><td>Rated Voltage</td><td>200</td><td>250</td><td>350</td><td>400</td><td>450</td></tr><tr><td>Tan δ (max)</td><td>0.20</td><td>0.20</td><td>0.24</td><td>0.24</td><td>0.24</td></tr></table>						Rated Voltage	200	250	350	400	450	Tan δ (max)	0.20	0.20	0.24	0.24	0.24												
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Tan δ (max)	0.20	0.20	0.24	0.24	0.24																									
Low Temperature Characteristics (at 120Hz)	Impedance ratio shall not exceed the values given in the table below. <table><tr><td colspan="2">Rated Voltage</td><td>200</td><td>250</td><td>350</td><td>400</td><td>450</td></tr><tr><td rowspan="2">Impedance Ratio</td><td>Z(-25)/Z(+20℃)</td><td>3</td><td>3</td><td>3</td><td>5</td><td>6</td></tr><tr><td>Z(-40)/Z(+20℃)</td><td>4</td><td>4</td><td>4</td><td>6</td><td>-</td></tr></table>						Rated Voltage		200	250	350	400	450	Impedance Ratio	Z(-25)/Z(+20℃)	3	3	3	5	6	Z(-40)/Z(+20℃)	4	4	4	6	-				
Rated Voltage		200	250	350	400	450																								
Impedance Ratio	Z(-25)/Z(+20℃)	3	3	3	5	6																								
	Z(-40)/Z(+20℃)	4	4	4	6	-																								
Load Life Test	<table><tr><td>Test Time</td><td colspan="5">5,000 hrs</td></tr><tr><td>Capacitance Change</td><td colspan="5">Within ±20% of initial value</td></tr><tr><td>Dissipation Factor</td><td colspan="5">Less than 200% of specified value</td></tr><tr><td>Leakage Current</td><td colspan="5">Within specified value</td></tr></table> * The above specifications shall be satisfied when the capacitors are restored to 20℃ after the rated voltage applied with rated ripple current for 5,000 hrs at 105℃.						Test Time	5,000 hrs					Capacitance Change	Within ±20% of initial value					Dissipation Factor	Less than 200% of specified value					Leakage Current	Within specified value				
Test Time	5,000 hrs																													
Capacitance Change	Within ±20% of initial value																													
Dissipation Factor	Less than 200% of specified value																													
Leakage Current	Within specified value																													
Shelf Life Test	Test time: 1,000 hrs; other items are the same as those for the load life test. The rated voltage shall be applied to the capacitors before the measurements (Refer to JIS C 5101-4 4.1).																													
Ripple Current & Frequency Multipliers	<table><tr><td>Freq.(Hz) Cap. (μF)</td><td>120</td><td>1K</td><td>10K</td><td>100K up</td></tr><tr><td>2.2 to 82</td><td>1</td><td>1.75</td><td>2.25</td><td>2.5</td></tr><tr><td>100 up</td><td>1</td><td>1.67</td><td>2.05</td><td>2.25</td></tr></table>						Freq.(Hz) Cap. (μF)	120	1K	10K	100K up	2.2 to 82	1	1.75	2.25	2.5	100 up	1	1.67	2.05	2.25									
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100 up	1	1.67	2.05	2.25																										

DIAGRAM OF DIMENSIONS



LEAD SPACING AND DIAMETER				Unit: mm
ϕ D	10	12.5	16	18
P	5.0		7.5	
ϕ d	0.6		0.8	
α	1.5			
β	0.5			

DIMENSION & PERMISSIBLE RIPPLE CURRENT

VDC Contents μF	200V (2D)			250V (2E)			350V (2V)			400V (2G)			450V (2W)		
	φ D×L	Ripple Current		φ D×L	Ripple Current		φ D×L	Ripple Current		φ D×L	Ripple Current		φ D×L	Ripple Current	
		120Hz	100KHz		120Hz	100KHz		120Hz	100KHz		120Hz	100KHz		120Hz	100KHz
2.2										10×16	53	131			
3.3							10×16	56	141	10×16	56	141	10×16	57	143
4.7							10×16	68	169	10×16	68	169	10×16	68	169
6.8							10×16	71	178	10×16	94	234	10×20	83	206
10	10×16	81	202	10×16	71	178	10×20	83	206	10×20	109	272	12.5×20	147	368
22	10×20	136	340	12.5×20	206	514	12.5×25	221	551	12.5×25	221	551	16×25	273	683
33	12.5×20	262	655	12.5×20	221	551	16×25	290	724	16×25	290	724	16×31.5	326	814
47	12.5×25	340	850	16×25	326	814	16×31.5	368	919	16×31.5	368	919	18×31.5	416	1039
68	16×25	440	1101	16×25	389	971	18×31.5	410	1024	18×31.5	410	1024	18×40	536	1339
100	16×25	542	1220	16×31.5	525	1181	18×35.5	552	1242	18×40	578	1299			
120	16×31.5	614	1381	18×31.5	599	1347	18×40	605	1360	18×45	630	1418			
150	16×31.5	721	1622	18×35.5	710	1596									
180	18×31.5	833	1874	18×40	804	1809									
220	18×35.5	983	2211	18×45	935	2103									
270	18×40	1102	2479												
330	18×45	1250	2811												