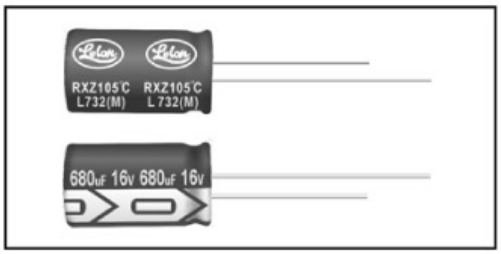
Feature

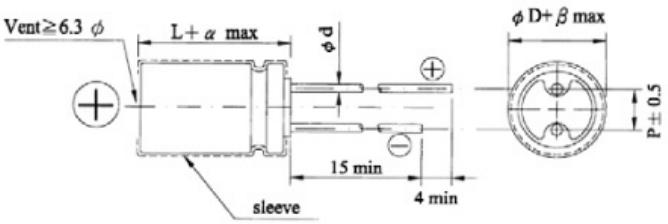
- 105℃, 2,000 hours assured, Low Impedance type
- Enabled high ripple current by a reduction of ESR high frequency range, suitable for computer motherboard
- RoHS Compliance



SPECIFICATIONS

Items	Performance
Operating Temperature Range	-40℃ ~ +105℃
Capacitance Tolerance	±20% (at 120Hz, 20℃)
Leakage Current (at 20℃)	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℃)	Rated Voltage: 6.3 / 10 / 16 Tan δ (max): 0.22 / 0.19 / 0.16 When the capacitance exceeds 1,000 μF, 0.02 shall be added every 1,000 μF increase.
Low Temperature Characteristics (at 120Hz)	Impedance ratio shall not exceed the values given in the table below. Rated Voltage: 6.3 / 10 / 16 Impedance Ratio Z(-25℃)/Z(+20℃): 2 / 2 / 2 Impedance Ratio Z(-40℃)/Z(+20℃): 3 / 3 / 3
Load Life Test	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 * The above specifications shall be satisfied when the capacitors are restored to 20℃ after the rated voltage applied with rated ripple current for 2,000 hrs at 105℃.
Shelf Life Test	Test time: 500 hrs; other items are the same as those for the load life test.
Ripple Current & Frequency Multipliers	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

φD	8	10
P	3.5	5.0
φd	0.6	
α	1.0	1.5
β	0.5	

Dimension: φD×L(mm)
Ripple Current: mA/rms at 100KHz, 105℃
Impedance: Ω at 100KHz, 20℃

DIMENSION & PERMISSIBLE RIPPLE CURRENT

V. DC / φD×L / Item	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