Aluminum Electrolytic Type / Surface Mount Type **RoHS compliance**

CE-LX Series

Long Life
Low Impedance

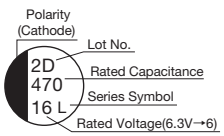
- 105℃ 2,000 to 5,000hours
- Solvent proof (within 2 minutes)
- AEC-Q200

■ Specifications

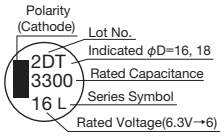
Items	Condition		Specifications								
Rated voltage (V)	–		6.3	10	16	25	35	50	63	80	100
Surge voltage (V)	Room temperature		8.0	13	20	32	44	63	79	100	125
Category temperature range (℃)	–		−55 to +105								
Capacitance tolerance (%)	120Hz/20℃		M : ±20								
Dissipation Factor(tan δ)	tanδ(max.) 120Hz/20℃	φ4 to φ6.3	0.26	0.20	0.16	0.14	0.12	0.12	0.08	—	—
		φ8 to φ18	0.28	0.24	0.22	0.16	0.14	0.14	0.08	0.08	0.07
			Exceeding 1,000μF, +0.02 every 1,000μF								
Leakage current(LC)	μA/after 2minutes (max.), 20℃		The greater value of either 0.01CV or 3								
Impedance ratio at low temperature	Based on the value at 120Hz, +20℃	−40℃ Z/Z20℃	3	3	3	3	3	3	2	2	2
		−55℃ Z/Z20℃	4	4	4	3	3	3	3	3	3
Endurance	105℃ rated voltage applied (With the rated ripple current)	Test	φ4 to φ6.3 : 2,000hours, φ8 to φ18 : 5,000hours								
		△C/C	Within ±30% of the initial value								
		tanδ	Less than 300% of the specified value								
		LC	Less than the specified value								

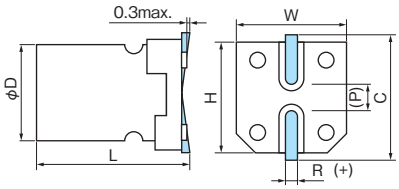
■ Marking, Dimensions

[φD≤10]



[φD≥12.5]





A pressure relief vent is provided for φD=8 or bigger

(P)reference size

(Unit : mm)

D±0.5	L±0.3	W±0.2	H±0.2	C±0.2	R	P
4	6.0	4.3	4.3	5.0	0.5 to 0.8	1.0
5	6.0	5.3	5.3	6.0	0.5 to 0.8	1.4
6.3	6.0	6.6	6.6	7.3	0.5 to 0.8	2.2
6.3	7.7	6.6	6.6	7.3	0.5 to 0.8	2.2
8	10.2	8.3	8.3	9.0	0.7 to 1.0	3.2
10	10.2	10.3	10.3	11.0	1.0 to 1.4	4.6
10	13.5±0.5	10.3	10.3	11.0	1.0 to 1.4	4.6
12.5	13.5±0.5	12.8	12.8	13.5	1.0 to 1.4	4.6
16	16.5±0.5	16.3	16.3	17.3	1.7 to 2.1	7.0
18	16.5±1.0	19.0	19.0	20.0	1.7 to 2.1	7.0
18	21.5±1.0	19.0	19.0	20.0	1.7 to 2.1	7.0

■ Part number

LX
16 CE 470 LX
- Series symbol
- Rated capacitance
- Type symbol
- Rated voltage

LXS
35 CE 100 LXS
- Series symbol
- Rated capacitance
- Type symbol
- Rated voltage

LXC
35 CE 470 LXC
- Series symbol
- Rated capacitance
- Type symbol
- Rated voltage

LXT
16 CE 3300 LX T
- Sn plating terminal option
- Series symbol
- Rated capacitance
- Type symbol
- Rated voltage

■ Size, Impedance, Rated Ripple Current

μF \ V	6.3			10			16			25			35		
4.7													4×6.0	1.45	90
10										4×6.0	1.45	90	5×6.0	0.70	170
15							4×6.0	1.45	90	5×6.0	0.70	170	5×6.0	0.70	170
22				4×6.0	1.45	90	5×6.0	0.70	170	5×6.0	0.70	170	5×6.0	0.70	170
27	4×6.0	1.45	90	5×6.0	0.70	170	5×6.0	0.70	170	6.3×6.0	0.39	250	6.3×6.0	0.39	250
33	5×6.0	0.70	170	5×6.0	0.70	170	6.3×6.0	0.39	250	6.3×6.0	0.39	250	6.3×6.0	0.39	250
47	5×6.0	0.70	170	6.3×6.0	0.39	250	6.3×6.0	0.39	250	6.3×6.0	0.39	250	6.3×6.0	0.39	250
56	5×6.0	0.70	170	6.3×6.0	0.39	250	6.3×6.0	0.39	250	6.3×6.0	0.39	250	6.3×7.7	0.30	300
68	6.3×6.0	0.39	250	6.3×6.0	0.39	250	6.3×6.0	0.39	250	6.3×6.0	0.39	250	6.3×7.7	0.30	300
100	5×6.0 ★1	0.70	170										6.3×7.7 ★1	0.30	300
	6.3×6.0	0.39	250	6.3×6.0	0.39	250	6.3×6.0	0.39	250	6.3×7.7	0.30	300	8×10.2	0.17	600
150	6.3×6.0	0.39	250	6.3×6.0	0.39	250	6.3×7.7	0.30	300	8×10.2	0.17	600	8×10.2	0.17	600
220	6.3×6.0	0.39	250	6.3×7.7	0.30	300	6.3×7.7	0.30	300	8×10.2	0.17	600	8×10.2	0.17	600
330	6.3×7.7	0.30	300	8×10.2	0.17	600	8×10.2	0.17	600	8×10.2	0.17	600	10×10.2	0.090	850
470	8×10.2	0.17	600	8×10.2	0.17	600	8×10.2	0.17	600	10×10.2	0.090	850	10×13.5 ★2	0.070	950
													12.5×13.5	0.060	1100
680	8×10.2	0.17	600	10×10.2	0.090	850	10×10.2	0.090	850	10×13.5 ★2	0.070	950			
										12.5×13.5	0.060	1100	12.5×13.5	0.060	1100
1000							10×13.5 ★2	0.070	950						
	8×10.2	0.17	600	10×10.2	0.090	850	12.5×13.5	0.060	1100	12.5×13.5	0.060	1100	16×16.5	0.035	1800
1500				10×13.5 ★2	0.070	950									
	10×10.2	0.090	850	12.5×13.5	0.060	1100	12.5×13.5	0.060	1100	16×16.5	0.035	1800	16×16.5	0.035	1800
2200	12.5×13.5	0.060	1100	12.5×13.5	0.060	1100				16×16.5	0.035	1800	18×16.5	0.033	2060
2700													18×21.5	0.028	2260
3300							16×16.5	0.035	1800	18×16.5	0.033	2060			
3900										18×21.5	0.028	2260			
4700				16×16.5	0.035	1800	18×16.5	0.033	2060						
5600							18×21.5	0.028	2260						
6800	16×16.5	0.035	1800	18×16.5	0.033	2060									
8200	18×16.5	0.033	2060	18×21.5	0.028	2260									
10000	18×16.5	0.033	2060												
12000	18×21.5	0.028	2260												

μF \ V	50			63			80			100		
4.7	4×6.0	2.90	60									
10	6.3×6.0	0.88	165	6.3×6.0	1.50	80						
22	6.3×6.0	0.88	165	6.3×7.7	1.20	120						
27	6.3×7.7	0.68	195									
33	6.3×7.7	0.68	195							10×10.2	0.65	200
47	6.3×7.7	0.68	195				10×10.2	0.65	200	12.5×13.5	0.32	500
56	8×10.2	0.34	350									
68	8×10.2	0.34	350							12.5×13.5	0.32	500
100	8×10.2	0.34	350	12.5×13.5	0.16	800	12.5×13.5	0.32	500	16×16.5	0.17	793
150	10×10.2	0.18	670	12.5×13.5	0.16	800	12.5×13.5	0.32	500	16×16.5	0.17	793
220	10×10.2	0.18	670	12.5×13.5	0.16	800				18×16.5	0.153	917
330	12.5×13.5	0.12	900	16×16.5	0.082	1410	16×16.5	0.17	793	18×21.5	0.083	1230
470	16×16.5	0.073	1610	16×16.5	0.082	1410	18×16.5	0.153	917			
680	16×16.5	0.073	1610	18×16.5	0.080	1690						
1000	16×16.5	0.073	1610	18×21.5	0.055	1960						
1200	18×16.5	0.068	1900									
1500	18×21.5	0.042	2180									

Please refer to page 14 for ripple current frequency coefficients.

Case size:φDxL(mm)
φ16, φ18:CE-LXT

Impedance(Ω)
max. at 100kHz, 20℃

Rated ripple current
mArms(100kHz, 105℃)

★1 LXS
★2 LXC