

Aluminum Electrolytic Type / Surface Mount Type

RoHS compliance

CE-LX Series

Low Impedance

Long Life



φ18x21.5

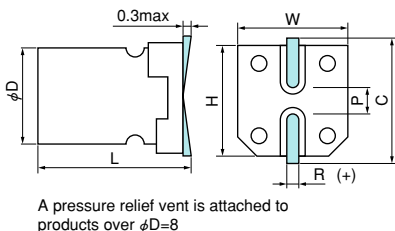
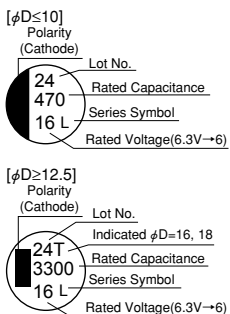
NEW

- 105°C, 2,000 to 5,000hrs.
- Solvent proof (within 2 minutes)

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 (°C)	—	-55 to +105									
Capacitance tolerance (%)	120Hz/20°C	M : ±20									
Dissipation Factor (tan δ)	120Hz/20°C	φ4 to φ6.3	0.26	0.20	0.16	0.14	0.12	0.12	—	—	—
		φ8 to φ18	0.28	0.24	0.22	0.16	0.14	0.14	0.08	0.08	0.07
When rated capacitance exceeds 1,000μF, add 0.02 to the value above for each 1,000μF increase.											
Leakage current (LC)	μA/after 2minutes (max)	The greater value of either 0.01CV or 3									
Impedance ratio at low temperature	Based the value at 120Hz, +20°C	-40°C Z/Z _{20°C}	3	3	3	3	3	3	2	2	2
		-55°C Z/Z _{20°C}	4	4	4	3	3	3	3	3	3
Endurance	105°C rated voltage applied (With the rated ripple current)	Test	φ4 to φ6.3, φ10×7.7 : 2,000hrs., φ8 to φ18 : 5,000hrs.								
		ΔC/C	Within ±30% of the initial value								
		tan δ	≤ 3 times the initial specified value								
		LC	≤ The initial specified value								

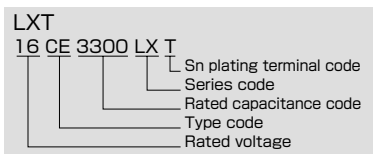
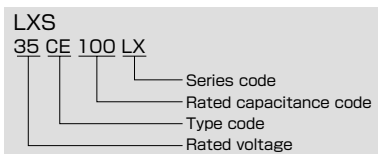
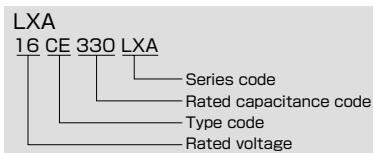
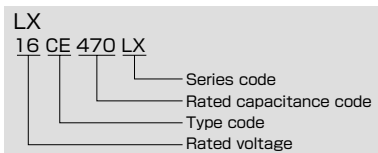
Marking, Dimensions



(Unit : mm)

D ^{+0.5max}	L ^{±0.3}	W ^{±0.2}	H ^{±0.2}	C ^{±0.2}	R	P ^{±0.2}
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	7.7	10.3	10.3	11.0	1.0 to 1.4	4.6
10	10.2	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	1.8 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

Model No.



Size List, Impedance, Rated Ripple Current

μF \n V	6.3			10			16			25			35		
4.7													4x6.0	1.45	90
10										4x6.0	1.45	90	5x6.0	0.70	170
15							4x6.0	1.45	90	5x6.0	0.70	170	5x6.0	0.70	170
22				4x6.0	1.45	90	5x6.0	0.70	170	5x6.0	0.70	170	5x6.0	0.70	170
27	4x6.0	1.45	90	5x6.0	0.70	170	5x6.0	0.70	170	6.3x6.0	0.39	250	6.3x6.0	0.39	250
33	5x6.0	0.70	170	5x6.0	0.70	170	6.3x6.0	0.39	250	6.3x6.0	0.39	250	6.3x6.0	0.39	250
47	5x6.0	0.70	170	6.3x6.0	0.39	250	6.3x6.0	0.39	250	6.3x6.0	0.39	250	6.3x6.0	0.39	250
56	5x6.0	0.70	170	6.3x6.0	0.39	250	6.3x6.0	0.39	250	6.3x6.0	0.39	250	6.3x7.7	0.30	300
68	6.3x6.0	0.39	250	6.3x6.0	0.39	250	6.3x6.0	0.39	250	6.3x6.0	0.39	250	6.3x7.7	0.30	300
100	5x6.0 ★2	0.70	170										6.3x7.7 ★2	0.30	300
	6.3x6.0	0.39	250	6.3x6.0	0.39	250	6.3x6.0	0.39	250	6.3x7.7	0.30	300	8x10.2	0.17	450
150	6.3x6.0	0.39	250	6.3x6.0	0.39	250	6.3x7.7	0.30	300	8x10.2	0.17	450	8x10.2	0.17	450
													10x7.7 ★1	0.17	450
220	6.3x6.0	0.39	250	6.3x7.7	0.30	300	6.3x7.7	0.30	300	8x10.2	0.17	450	8x10.2	0.17	450
													10x7.7 ★1	0.17	450
330	6.3x7.7	0.30	300	8x10.2	0.17	450	8x10.2	0.17	450	8x10.2	0.17	450	10x10.2	0.090	670
470	8x10.2	0.17	450	8x10.2	0.17	450	8x10.2	0.17	450	10x10.2	0.090	670			
				10x7.7 ★1	0.17	450							12.5x13.5	0.060	900
680	8x10.2	0.17	450	10x10.2	0.090	670	10x10.2	0.090	670						
	10x7.7 ★1	0.17	450							12.5x13.5	0.060	900	12.5x13.5	0.060	900
1000	8x10.2	0.17	450	10x10.2	0.090	670	12.5x13.5	0.060	900	12.5x13.5	0.060	900	16x16.5	0.035	1800
1500	10x10.2	0.090	670	12.5x13.5	0.060	900	12.5x13.5	0.060	900	16x16.5	0.035	1800	16x16.5	0.035	1800
2200	12.5x13.5	0.060	900	12.5x13.5	0.060	900				16x16.5	0.035	1800	18x16.5	0.033	2060
2700													18x21.5	0.028	2260
3300							16x16.5	0.035	1800	18x16.5	0.033	2060			
3900										18x21.5	0.028	2260			
4700				16x16.5	0.035	1800	18x16.5	0.033	2060						
5600							18x21.5	0.028	2260						
6800	16x16.5	0.035	1800	18x16.5	0.033	2060									
8200	18x16.5	0.033	2060	18x21.5	0.028	2260									
10000	18x16.5	0.033	2060												
12000	18x21.5	0.028	2260												

μF \n V	50			63			80			100		
4.7	4x6.0	2.90	60									
10	6.3x6.0	0.88	165									
22	6.3x6.0	0.88	165									
27	6.3x7.7	0.68	195									
33	6.3x7.7	0.68	195						10x10.2	0.65	200	
47	6.3x7.7	0.68	195	10x7.7 ★1	0.70	200	10x10.2	0.65	200	12.5x13.5	0.32	500
56	8x10.2	0.34	300									
68	8x10.2	0.34	300							12.5x13.5	0.32	500
100	8x10.2	0.34	300	12.5x13.5	0.16	580	12.5x13.5	0.32	500	16x16.5	0.17	793
	10x7.7 ★1	0.34	300									
150	10x10.2	0.18	490	12.5x13.5	0.16	580	12.5x13.5	0.32	500	16x16.5	0.17	793
220	10x10.2	0.18	490	12.5x13.5	0.16	580				18x16.5	0.153	917
330	12.5x13.5	0.12	620	16x16.5	0.082	1410	16x16.5	0.17	793	18x21.5	0.083	1230
470	16x16.5	0.073	1610	16x16.5	0.082	1410						
680	16x16.5	0.073	1610	18x16.5	0.080	1690						
1000	16x16.5	0.073	1610	18x21.5	0.055	1960						
1200	18x16.5	0.068	1900									
1500	18x21.5	0.042	2180									

Please refer to page 15 for the ripple current frequency coefficient.

Case size: ϕ DxL(mm)
 ϕ 16, ϕ 18:CE-LXT

Impedance(Ω)
 max at 100kHz, 20°C

Rated ripple current
 mA rms(100kHz, 105°C)

★1 LXA
 ★2 LXS

Aluminum Electrolytic Capacitors

- CE-BJ·BE
- CE-BD
- CE-BS
- CE-BSS
- CE-FE
- CE-LD
- CE-FU
- CE-FS
- CE-FSS
- CE-FH
- CE-GA
- CE-AX
- CE-KX
- CE-LX**
- CE-LS
- CE-LH
- CE-LL
- CE-PC
- CE-PH
- CE-PF
- CE-NP
- CE-FN
- ME-SWB
- ME-UZ·SZ
- ME-UAX·SAX
- ME-SWG
- ME-LS
- ME-HC
- ME-CZ
- ME-CA
- ME-CX
- ME-AX
- ME-WX
- ME-WA
- ME-WL
- ME-WG
- ME-PX
- ME-HPC·HPD
- ME-FC·FD
- ME-FAZ
- ME-FH
- ME-SWN
- ME-HWN