

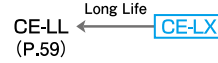
CE-LX Series

Low Impedance

Long Life



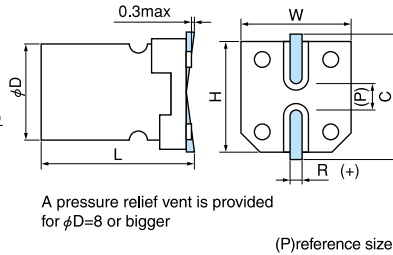
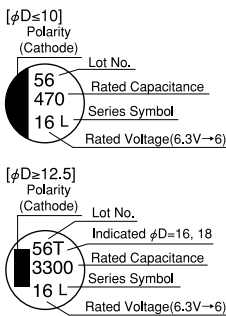
- 105°C, 2,000 to 5,000hours
- Solvent proof (within 2 minutes)



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)	tan δ (max) 120Hz/20°C	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
Leakage current (LC)	μA/after 2minutes (max)	Exceeding 1,000 μF, +0.02 every 1,000 μF 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 : 2,000hours, φ8 to φ18 : 5,000hours								
		ΔC/C	Within ±30% of the initial value								
		tan δ	Less than 300% of the specified value								
		LC	Less than the specified value								

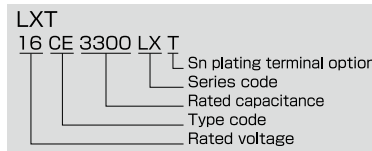
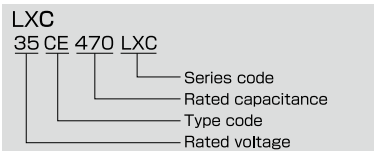
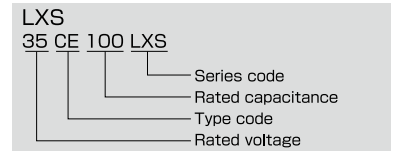
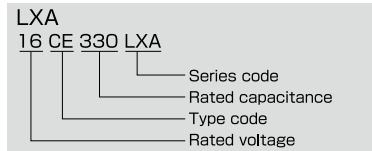
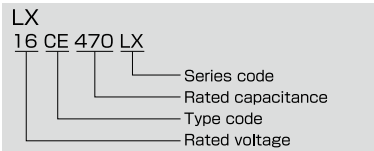
Marking, Dimensions



(Unit : mm)

D ^{+0.5max}	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	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
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



■ Size, Impedance, Rated Ripple Current

μF \ 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	6.3x6.0	0.39	250	
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	6.3x6.0	0.39	250	
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	600	
150	6.3x6.0	0.39	250	6.3x6.0	0.39	250	6.3x7.7	0.30	300	8x10.2	0.17	600	8x10.2	0.17	600	
													10x7.7 ★1	0.17	600	
220	6.3x6.0	0.39	250	6.3x7.7	0.30	300	6.3x7.7	0.30	300	8x10.2	0.17	600	8x10.2	0.17	600	
												10x7.7 ★1	0.17	600		
330	6.3x7.7	0.30	300	8x10.2	0.17	600	8x10.2	0.17	600	8x10.2	0.17	600	8x10.2	0.17	600	
												10x7.7 ★1	0.17	600		
470	8x10.2	0.17	600	8x10.2	0.17	600	8x10.2	0.17	600	10x10.2	0.090	850	10x13.5★3	0.070	950	
				10x7.7 ★1	0.17	600							12.5x13.5	0.060	1100	
680	8x10.2	0.17	600	10x10.2	0.090	850	10x10.2	0.090	850	10x13.5★3	0.070	950				
	10x7.7 ★1	0.17	600							12.5x13.5	0.060	1100	12.5x13.5	0.060	1100	
1000							10x13.5★3	0.070	950							
	8x10.2	0.17	600	10x10.2	0.090	850	12.5x13.5	0.060	1100	12.5x13.5	0.060	1100	16x16.5	0.035	1800	
1500				10x13.5★3	0.070	950										
	10x10.2	0.090	850	12.5x13.5	0.060	1100	12.5x13.5	0.060	1100	16x16.5	0.035	1800	16x16.5	0.035	1800	
2200	12.5x13.5	0.060	1100	12.5x13.5	0.060	1100				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													

Aluminum Electrolytic Capacitors

Surface Mount Type

- CE-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-ZX
- CE-ZC
- CE-LX**
- CE-LS
- CE-LH
- CE-LL
- CE-PC
- CE-PH
- CE-PS
- CE-PF
- CE-TH
- CE-NP
- CE-FN

μF \ V	50			63			80			100		
4.7	4x6.0	2.90	60									
10	6.3x6.0	0.88	165	6.3x6.0	1.50	80						
22	6.3x6.0	0.88	165	6.3x7.7	1.20	120						
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	350									
68	8x10.2	0.34	350						12.5x13.5	0.32	500	
100	8x10.2	0.34	350	12.5x13.5	0.16	800	12.5x13.5	0.32	500	16x16.5	0.17	793
	10x7.7 ★1	0.34	330									
150	10x10.2	0.18	670	12.5x13.5	0.16	800	12.5x13.5	0.32	500	16x16.5	0.17	793
220	10x10.2	0.18	670	12.5x13.5	0.16	800				18x16.5	0.153	917
330	12.5x13.5	0.12	900	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	18x16.5	0.153	917			
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 ripple current frequency coefficients.

Case size: φDxL(mm)
φ16, φ18: CE-LXT

Impedance(Ω)
max at 100kHz, 20°C

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

- ★1 LXA
- ★2 LXS
- ★3 LXC