

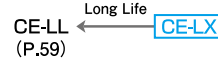
# CE-LX Series

Low Impedance

Long Life



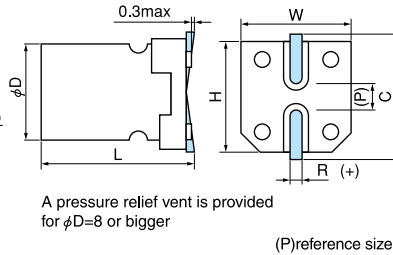
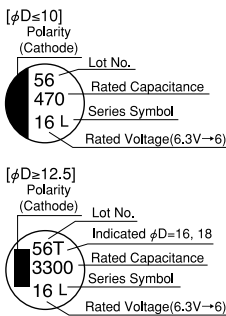
- 105°C, 2,000 to 5,000hours
- Solvent proof (within 2 minutes)



## 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 <sub>20°C</sub>	3	3	3	3	3	3	2	2	2
		-55°C / Z/Z <sub>20°C</sub>	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								

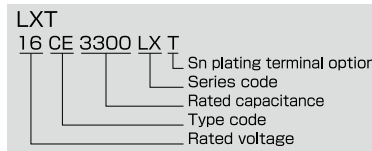
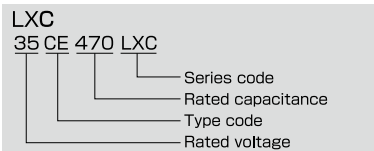
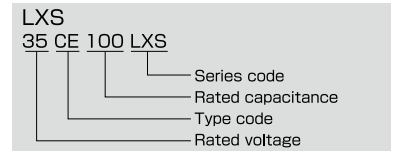
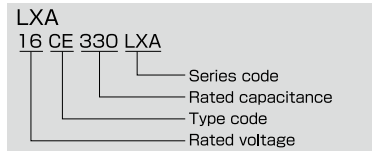
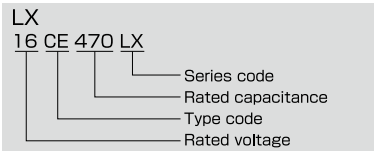
## Marking, Dimensions



(Unit : mm)

D <sup>+0.5max</sup>	L <sup>±0.3</sup>	W <sup>±0.2</sup>	H <sup>±0.2</sup>	C <sup>±0.2</sup>	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 <sup>±0.5</sup>	10.3	10.3	11.0	1.0 to 1.4	4.6
12.5	13.5 <sup>±0.5</sup>	12.8	12.8	13.5	1.0 to 1.4	4.6
16	16.5 <sup>±0.5</sup>	16.3	16.3	17.3	1.7 to 2.1	7.0
18	16.5 <sup>±1.0</sup>	19.0	19.0	20.0	1.7 to 2.1	7.0
18	21.5 <sup>±1.0</sup>	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	10	15	22	27	33	47	56	68	100	150	220	330	470	680	1000	1500	2200	2700	3300	3900	4700	5600	6800	8200	10000	12000	
4.7																												
10																												
15																												
22																												
27																												
33																												
47																												
56																												
68																												
100																												
150																												
220																												
330																												
470																												
680																												
1000																												
1500																												
2200																												
2700																												
3300																												
3900																												
4700																												
5600																												
6800																												
8200																												
10000																												
12000																												

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	10	15	22	27	33	47	56	68	100	150	220	330	470	680	1000	1200	1500	
4.7																			
10																			
22																			
27																			
33																			
47																			
56																			
68																			
100																			
150																			
220																			
330																			
470																			
680																			
1000																			
1200																			
1500																			

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