

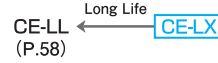
CE-LX Series

Low Impedance

Long Life



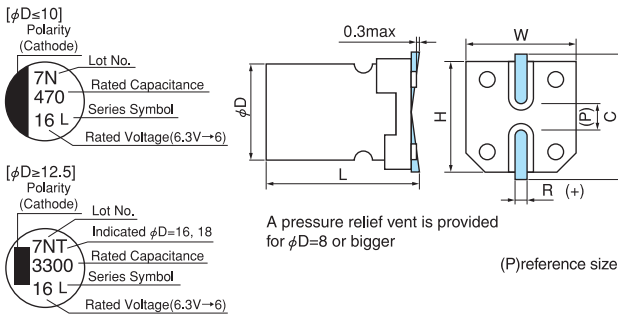
- 105°C, 2,000 to 5,000hours
- Solvent proof (within 2 minutes)



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								

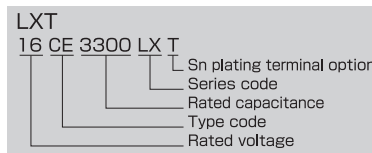
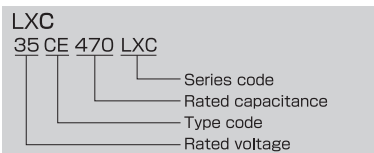
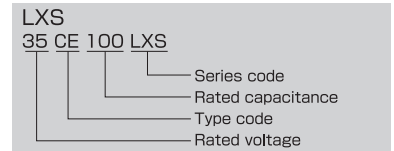
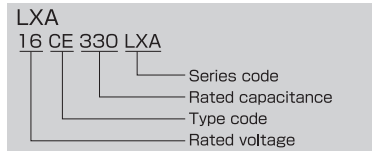
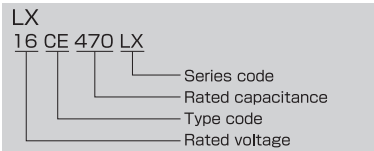
Marking, Dimensions



(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				
		Case size	Impedance	Rated ripple current	Case size	Impedance	Rated ripple current	Case size	Impedance	Rated ripple current	Case size	Impedance	Rated ripple current	Case size	Impedance	Rated ripple current		
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							16x16.5	0.035	1800		
		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														

μF	V	50			63			80			100		
		Case size	Impedance	Rated ripple current	Case size	Impedance	Rated ripple current	Case size	Impedance	Rated ripple current	Case size	Impedance	Rated ripple current
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

Surface Mount Type
Aluminum Electrolytic Capacitors

CE-BE
CE-BD
CE-BS
CE-BSS
CE-FE
CE-LD
CE-FSS
CE-FS
CE-FH
CE-LH
CE-AX
CE-KX
CE-GA
CE-LS
CE-ZX
CE-ZC
CE-LX
CE-LL
CE-LH(High Voltage)
CE-PC
CE-PH
CE-PS
CE-PF
CE-TH
CE-JX
CE-NP
CE-FN
ME-SWB
ME-UZ·SZ
ME-UAX·SAX
ME-SWG
ME-HC
ME-LS
ME-CZ
ME-CA
ME-CX
ME-AX
ME-WX
ME-WA
ME-WL
ME-WG
ME-FX
ME-FH
ME-PX
ME-HPC·HPD
ME-FC·FD
ME-SWN
ME-HWN