

CE-AX Series

Low Impedance

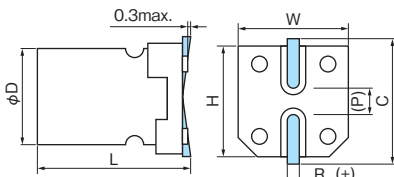
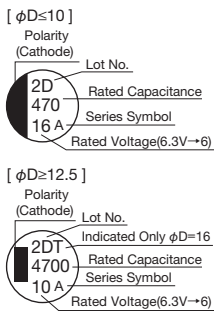


- 105°C 1,000 to 2,000hours ● We recommend CE-LX series on page 48.
- Solvent proof (within 2 minutes)
- AEC-Q200

Specifications

Items	Condition	Specifications						
Rated voltage (V)	—	6.3	10	16	25	35	50	
Surge voltage (V)	Room temperature	8.0	13	20	32	44	63	
Category temperature range (°C)	—	-55 to +105						
Capacitance tolerance (%)	120Hz/20°C	M : ±20						
Dissipation Factor (tan δ)	tanδ(max.) 120Hz/20°C	φ4 to φ6.3	0.24	0.20	0.16	0.14	0.12	0.12
		φ8 to φ16	0.28	0.24	0.20	0.16	0.14	0.14
Leakage current(LC)	μA/after 2minutes (max.), 20°C	Exceeding 1,000μF, +0.02 every 1,000μF						
Impedance ratio at low temperature	Based on the value at 120Hz, +20°C	-40°C Z/Z _{20°C}	3	2	2	2	2	2
		-55°C Z/Z _{20°C}	5	4	4	3	3	3
Endurance	105°C rated voltage applied (With the rated ripple current)	Test	φ4 to φ6.3 : 1,000hours, φ8 to φ16 : 2,000hours					
		ΔC/C	Within ±25% of the initial value					
		tanδ	Less than 200% of the specified value					
		LC	Less than the specified value					

Marking, Dimensions



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
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

- CE-LD
- CE-FSS
- CE-FS(High Voltage)
- CE-FS
- CE-AX**
- CE-ZX
- CE-ZC
- CE-LX
- CE-GA
- CE-LS
- CE-LH
- CE-LH(High Voltage)
- CE-LL
- CE-LF
- CE-PC
- CE-PH
- CE-PS
- CE-PF
- CE-TH
- CE-JX
- CE-FN

■ Size, Impedance, Rated Ripple Current

μF \ V	6.3			10			16			25			35			50		
4.7													4x6.0	1.80	80	4x6.0	2.90	60
10										4x6.0	1.80	80	5x6.0	0.76	150	6.3x6.0	0.88	165
15							4x6.0	1.80	80	5x6.0	0.76	150	5x6.0	0.76	150			
22				4x6.0	1.80	80	5x6.0	0.76	150	5x6.0	0.76	150	5x6.0	0.76	150	6.3x6.0	0.88	165
27	4x6.0	1.80	80															
33	→			5x6.0	0.76	150	→			6.3x6.0	0.44	230	6.3x6.0	0.44	230	6.3x7.7	0.68	195
47	5x6.0	0.76	150	→			6.3x6.0	0.44	230	6.3x6.0	0.44	230	6.3x6.0	0.44	230	6.3x7.7	0.68	195
56	5x6.0	0.76	150							6.3x6.0	0.44	230						
68	→			6.3x6.0	0.44	230	6.3x6.0	0.44	230	6.3x6.0	0.44	230	6.3x7.7	0.34	280			
100	6.3x6.0	0.44	230	→			6.3x6.0	0.44	230	6.3x7.7	0.34	280	8x10.2	0.17	450	8x10.2	0.39	300
150	6.3x6.0	0.44	230	6.3x6.0	0.44	230	6.3x7.7	0.34	280	8x10.2	0.17	450	8x10.2	0.17	450	10x10.2	0.21	450
220	6.3x6.0	0.44	230	6.3x7.7	0.34	280	6.3x7.7	0.34	280	8x10.2	0.17	450	8x10.2	0.17	450	10x10.2	0.21	450
330	6.3x7.7	0.34	280	8x10.2	0.17	450	8x10.2	0.17	450	8x10.2	0.17	450	10x10.2	0.090	670	12.5x13.5	0.14	620
390																12.5x13.5	0.14	620
470	8x10.2	0.17	450	8x10.2	0.17	450	8x10.2	0.17	450	10x10.2	0.090	670	12.5x13.5	0.066	900			
680	8x10.2	0.17	450	→			10x10.2	0.090	670				12.5x13.5	0.066	900			
1000	8x10.2	0.17	450	10x10.2	0.090	670				12.5x13.5	0.066	900				16x16.5	0.078	790
1500	10x10.2	0.090	670				12.5x13.5	0.066	900				16x16.5	0.052	1250			
2200				12.5x13.5	0.066	900				16x16.5	0.052	1250						
3300	12.5x13.5	0.066	900				16x16.5	0.052	1250									
4700				16x16.5	0.052	1250												
6800	16x16.5	0.052	1250															

→Please use the higher voltage model in the next.
Please refer to page 14 for ripple current frequency coefficients.

Case size: $\phi D \times L$ (mm)
16x16.5:CE-AXT

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

Impedance(Ω)
max. at 100kHz, 20°C

■ Part number

