

CE-AX Series Low Impedance



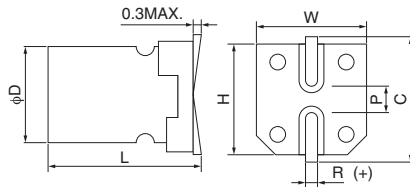
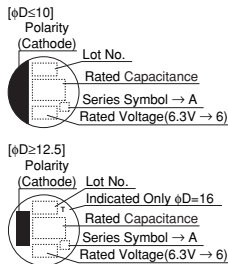
- 105°C, 1000 to 2000hrs.
- Solvent proof (within 2 minutes)

Specifications

Items		Specifications					
Rated voltage (V)		6.3	10	16	25	35	50
Category temperature range (°C)		-55 to +105					
Capacitance tolerance (%)		±20 (120Hz/20°C)					
Tangent of loss angle (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
		When rated capacitance exceeds 1000μF, add 0.02 to the value above for each 1000μF increase.					
Leakage current (L.C.) (μA/after 2min.) (MAX.)		The greater value of either 0.01CV or 3					
Impedance (120Hz) ratio at low temperature (MAX.)	Z _{-40°C} /Z _{20°C}	3	2	2	2	2	2
	Z _{-55°C} /Z _{20°C}	5	4	4	3	3	3
Endurance 105°C rated voltage applied (With the rated ripple current)	Test	φ 4 to φ 6.3, φ 10 x 7.7 : 1000hrs., φ 8 to φ 16 : 2000hrs.					
	ΔC/C	Within ±25% of the initial value					
	tanδ	≤ Twice the initial specified value					
	L.C.	≤ The initial specified value					

Marking, Dimensions

(Unit : mm)



A pressure relief vent is attached to products over φD=8

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	1.1 to 1.4	4.6
10	10.2	10.3	10.3	11.0	1.1 to 1.4	4.6
12.5	13.5 ±0.5	12.8	12.8	13.5	1.1 to 1.4	4.6
16	16.5 ±0.5	16.3	16.3	17.3	1.8 to 2.1	7.0

Size List, Impedance, Rated Ripple Current

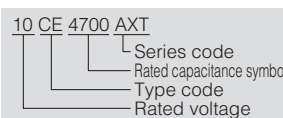
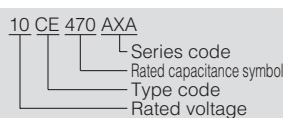
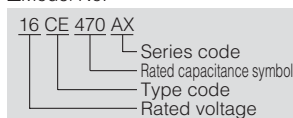
μF \ V	6.3	10	16	25	35	50
4.7						
10				4 x 6.0 1.80 80	4 x 6.0 1.80 80	4 x 6.0 2.90 60
15				5 x 6.0 0.76 150	5 x 6.0 0.76 150	5 x 6.0 0.88 165
22		4 x 6.0 1.80 80		5 x 6.0 0.76 150	5 x 6.0 0.76 150	6.3 x 6.0 0.88 165
27	4 x 6.0 1.80 80					
33	→	5 x 6.0 0.76 150	→			
47	5 x 6.0 0.76 150	→	6.3 x 6.0 0.44 230	6.3 x 6.0 0.44 230	6.3 x 6.0 0.44 230	6.3 x 7.7 0.68 195
56	5 x 6.0 0.76 150	→	6.3 x 6.0 0.44 230	6.3 x 6.0 0.44 230	6.3 x 6.0 0.44 230	6.3 x 7.7 0.68 195
68	→	6.3 x 6.0 0.44 230	6.3 x 6.0 0.44 230	6.3 x 6.0 0.44 230	6.3 x 7.7 0.34 280	
100	6.3 x 6.0 0.44 230	→	6.3 x 6.0 0.44 230	6.3 x 7.7 0.34 280	8 x 10.2 0.17 450	8 x 10.2 0.39 300
150	6.3 x 6.0 0.44 230	6.3 x 6.0 0.44 230	6.3 x 7.7 0.34 280	8 x 10.2 0.17 450	8 x 10.2 0.17 450	10 x 10.2 0.21 450
220	6.3 x 6.0 0.44 230	6.3 x 7.7 0.34 280	6.3 x 7.7 0.34 280	→	10 x 7.7 0.17 450	
330	6.3 x 7.7 0.34 280	8 x 10.2 0.17 450	8 x 10.2 0.17 450	8 x 10.2 0.17 450	10 x 10.2 0.09 670	12.5 x 13.5 0.14 620
390		→	10 x 7.7 0.17 450			
470	8 x 10.2 0.17 450	8 x 10.2 0.17 450	8 x 10.2 0.17 450	10 x 10.2 0.09 670	12.5 x 13.5 0.066 900	
680	8 x 10.2 0.17 450	10 x 7.7 0.17 450	→	10 x 10.2 0.09 670	12.5 x 13.5 0.066 900	
1000	8 x 10.2 0.17 450	10 x 10.2 0.09 670				16 x 16.5 0.078 790
1500	10 x 10.2 0.09 670					
2200		12.5 x 13.5 0.066 900				
3300	12.5 x 13.5 0.066 900		16 x 16.5 0.052 1250	16 x 16.5 0.052 1250		
4700		16 x 16.5 0.052 1250				
6800	16 x 16.5 0.052 1250					

→ Use next higher voltage product.

Case size ; φD x L (mm)
10 x 7.7 ; CE-AXA series
16 x 16.5 ; CE-AXT series

Rated ripple current
mAr.m.s. (100kHz, 105°C)

Model No.



Impedance (Ω)
MAX. at 100kHz, 20°C