

## CE-AX Series Low Impedance

### Feature

This series has low impedance at high frequency.  
High capacitance with small package.  
Solvent proof (within 2 minutes).

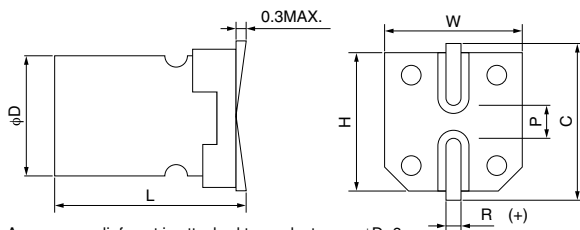


## Specifications

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/Z20°C	3	2	2	2	2	2
	Z-55°C/Z20°C	5	4	4	3	3	3
Endurance 105°C rated voltage applied	Test	2000hrs. (φD ≤ 6.3, φ10 × 7.7 : 1000hrs.)					
	ΔC/C	Within ±25% of the initial value					
	tanδ	≤ Twice the initial specified value					
	L.C.	≤ The initial specified value					

## 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			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
22		4 x 6.0   1.80   80	5 x 6.0   0.76   150	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		6.3 x 6.0   0.44   230	6.3 x 6.0   0.44   230	6.3 x 7.7   0.68   195
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	
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 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	8 x 10.2   0.17   450	8 x 10.2   0.17   450	10 x 10.2   0.21   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			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		12.5 x 13.5   0.066   900		16 x 16.5   0.052   1250	
2200		12.5 x 13.5   0.066   900		16 x 16.5   0.052   1250		
3300	12.5 x 13.5   0.066   900		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.

16 CE 470 AX

Series code  
Rated capacitance symbol  
Type code  
Rated voltage

10 CE 470 AXA

Series code  
Rated capacitance symbol  
Type code  
Rated voltage

10 CE 4700 AXT

Series code  
Rated capacitance symbol  
Type code  
Rated voltage

Impedance (Ω)  
MAX. at 100kHz, 20°C