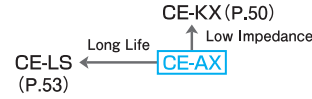


# CE-AX Series

Low Impedance



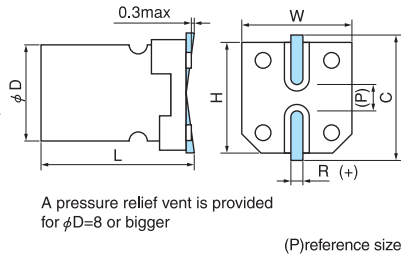
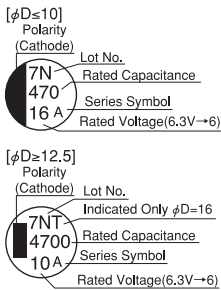
- 105°C, 1,000 to 2,000hours
- Solvent proof (within 2 minutes)



## 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)	Exceeding 1,000μF, +0.02 every 1,000μF The greater value of either 0.01CV or 3							
Impedance ratio at low temperature	Based the value at 120Hz, +20°C	-40°C Z/Z20°C	3	2	2	2	2	2	
		-55°C Z/Z20°C	5	4	4	3	3	3	
Endurance	105°C rated voltage applied (With the rated ripple current)	Test	φ4 to φ6.3, φ10 × 7.7 : 1,000hours, φ8 to φ16 : 2,000hours						
		ΔC/C	Within ±25% of the initial value						
		tan δ	Less than 200% 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
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

- 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

Size, Impedance, Rated Ripple Current

$\mu\text{F}$ \ 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	→			10x7.7	0.17	450			
330	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
390				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
470	8x10.2	0.17	450	8x10.2	0.17	450	8x10.2	0.17	450	10x7.7	0.17	450						
680	8x10.2	0.17	450	→			10x10.2	0.090	670				12.5x13.5	0.066	900			
1000	8x10.2	0.17	450	10x7.7	0.17	450												
1500	8x10.2	0.17	450	10x10.2	0.090	670				12.5x13.5	0.066	900				16x16.5	0.078	790
2200				10x10.2	0.090	670							16x16.5	0.052	1250			
3300	12.5x13.5	0.066	900															
4700				16x16.5	0.052	1250												
6800	16x16.5	0.052	1250															

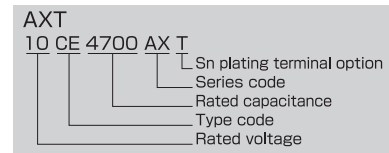
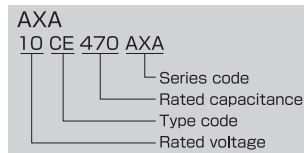
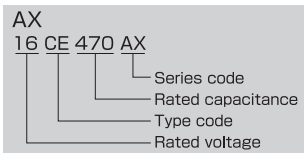
→Please use the higher voltage model in the next. Please refer to page 15 for ripple current frequency coefficients.

Case size:  $\phi$ DxL (mm)  
10x7.7:CE-AXA  
16x16.5:CE-AXT

Impedance( $\Omega$ )  
max at 100kHz, 20°C

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

Part number



Aluminum Electrolytic  
Capacitors

Surface  
Mount Type

- 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