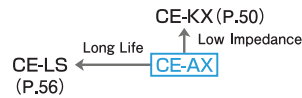


CE-AX Series

Low Impedance



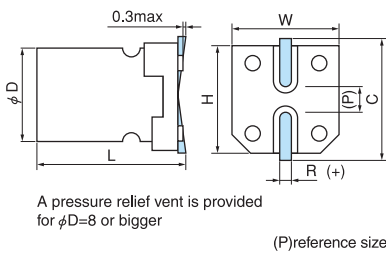
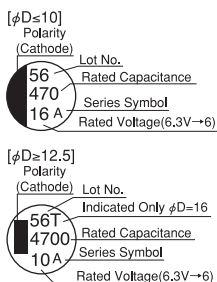
- 105°C, 1,000 to 2,000hours
- Solvent proof (within 2 minutes)



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)	tan δ (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 1,000 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/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 ^{+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
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

■ Size, Impedance, Rated Ripple Current

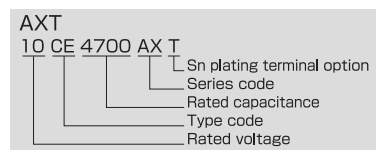
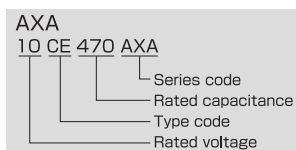
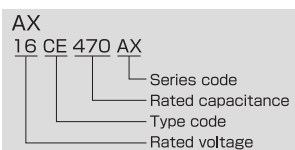
μF	V	6.3			10			16			25			35			50			
		Case size	Impedance	Rated ripple current	Case size	Impedance	Rated ripple current	Case size	Impedance	Rated ripple current	Case size	Impedance	Rated ripple current	Case size	Impedance	Rated ripple current	Case size	Impedance	Rated ripple current	
4.7														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	
											→		10x7.7	0.17	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	
											10x7.7	0.17	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	
					→			10x7.7	0.17	450										
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				
					10x7.7	0.17	450													
680		8x10.2	0.17	450	→			10x10.2	0.090	670				12.5x13.5	0.066	900				
		10x7.7	0.17	450																
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 15 for ripple current frequency coefficients.

Case size:φDXL(mm)
10x7.7:CE-AXA
16x16.5:CE-AXT

Rated ripple current
mArms(100kHz, 105°C)
Impedance(Ω)
max at 100kHz, 20°C

■ Part number



Aluminum Electrolytic Capacitors
Surface Mount Type

- CE-BE
- CE-BD
- CE-BS
- CE-BSS
- CE-FE
- CE-LD
- CE-FU
- CE-FS
- CE-FSS
- CE-FH
- CE-GA
- CE-AX
- CE-KX
- CE-ZX
- CE-ZC
- CE-LX
- CE-LS
- CE-LH
- CE-LL
- CE-PC
- CE-PH
- CE-PS
- CE-PF
- CE-TH
- CE-NP
- CE-FN