

CE-KX Series

Low Impedance

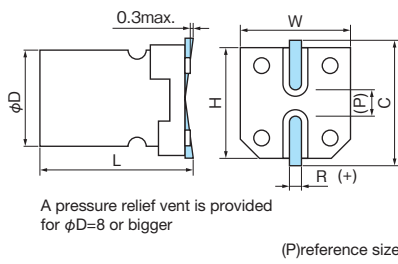
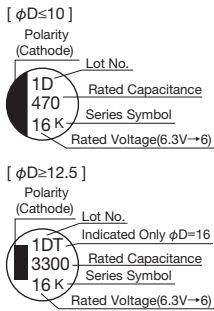


- 10 to 20% less impedance than CE-AX series at high frequencies.
- 105°C 1,000 to 2,000hours • Solvent proof (within 2 minutes)
- AEC-Q200

Specifications

Items	Condition	Specifications									
Rated voltage (V)	—	6.3	10	16	25	35	50	63	80	100	
Surge voltage (V)	Room temperature	8.0	13	20	32	44	63	79	100	125	
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	0.10	0.08	0.07
		φ8 to φ16	0.28	0.24	0.20	0.16	0.14	0.14	0.12	0.10	0.08
Leakage current (LC)	μA/after 2minutes (max.), 20°C	Exceeding 1,000μF, +0.02 every 1,000μF The greater value of either 0.01CV or 3									
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	2	2	2
		-55°C Z/Z _{20°C}	5	4	4	3	3	3	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



(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

- Aluminum Electrolytic Capacitors
- Surface Mount Type
- CE-BD
- CE-BSS
- CE-BS
- CE-LD
- CE-FSS
- CE-FS
- CE-FS(High Voltage)
- CE-FH
- CE-AX
- CE-KX**
- 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-NP
- CE-FN

■ Size, Impedance, Rated Ripple Current

μF \ V	6.3			10			16			25			35					
4.7													4x6.0	1.45	90			
10												4x6.0	1.45	90	5x6.0	0.70	170	
15									4x6.0	1.45	90	5x6.0	0.70	170	5x6.0	0.70	170	
22									5x6.0	0.70	170	5x6.0	0.70	170	5x6.0	0.70	170	
27	4x6.0	1.45	90															
33	→			5x6.0	0.70	170			→			6.3x6.0	0.39	250	6.3x6.0	0.39	250	
47	5x6.0	0.70	170						6.3x6.0	0.39	250	6.3x6.0	0.39	250	6.3x6.0	0.39	250	
56	5x6.0	0.70	170									6.3x6.0	0.39	250				
68	→			6.3x6.0	0.39	250	6.3x6.0	0.39	250	6.3x6.0	0.39	250	6.3x6.0	0.39	250	6.3x7.7	0.30	300
100	6.3x6.0	0.39	250				6.3x6.0	0.39	250	6.3x6.0	0.39	250	6.3x7.7	0.30	300	8x10.2	0.15	600
150	6.3x6.0	0.39	250	6.3x6.0	0.39	250	6.3x7.7	0.30	300	6.3x7.7	0.30	300	8x10.2	0.15	600	8x10.2	0.15	600
220	6.3x6.0	0.39	250	6.3x7.7	0.30	300	6.3x7.7	0.30	300	6.3x7.7	0.30	300	8x10.2	0.15	600	8x10.2	0.15	600
330	6.3x7.7	0.30	300	8x10.2	0.15	600	8x10.2	0.15	600	8x10.2	0.15	600	8x10.2	0.15	600	10x10.2	0.080	850
470	8x10.2	0.15	600	8x10.2	0.15	600	8x10.2	0.15	600	8x10.2	0.15	600	10x10.2	0.080	850	12.5x13.5	0.058	1150
680	8x10.2	0.15	600						10x10.2	0.080	850					12.5x13.5	0.058	1150
1000	8x10.2	0.15	600	10x10.2	0.080	850						12.5x13.5	0.058	1150	16x16.5	0.035	1800	
1500	10x10.2	0.080	850						12.5x13.5	0.058	1150				16x16.5	0.035	1800	
2200				12.5x13.5	0.058	1150						16x16.5	0.035	1800				
3300	12.5x13.5	0.058	1150						16x16.5	0.035	1800							
4700				16x16.5	0.035	1800												
6800	16x16.5	0.035	1800															

μF \ V	50			63			80			100			
2.2										6.3x6.0	2.70	42	
3.3										6.3x6.0	2.40	45	
4.7	4x6.0	2.55	64	5x6.0	2.00	55	6.3x6.0	2.40	45	6.3x6.0	2.40	45	
10	6.3x6.0	0.52	215	6.3x6.0	1.00	90	6.3x7.7	2.00	65	6.3x7.7	2.00	65	
22	6.3x6.0	0.52	215	6.3x7.7	0.80	135	8x10.2	0.90	140	8x10.2	0.90	140	
33	6.3x7.7	0.44	243	8x10.2	0.35	280	8x10.2	0.90	140	10x10.2	0.50	220	
47	6.3x7.7	0.44	243	8x10.2	0.35	280	10x10.2	0.50	220	12.5x13.5	0.24	500	
68				8x10.2	0.35	280	12.5x13.5	0.24	500	12.5x13.5	0.24	500	
100	8x10.2	0.22	400	10x10.2	0.20	480	12.5x13.5	0.24	500	16x16.5	0.14	800	
150							12.5x13.5	0.24	500	16x16.5	0.14	800	
220	10x10.2	0.13	585	12.5x13.5	0.14	800							
330	12.5x13.5	0.10	800						16x16.5	0.14	800		
470				16x16.5	0.065	1410							
1000	16x16.5	0.060	1610										

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

Case size:φDxL(mm)
16x16.5:CE-KXT

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

■ Part number

