

CE-KX Series Low Impedance

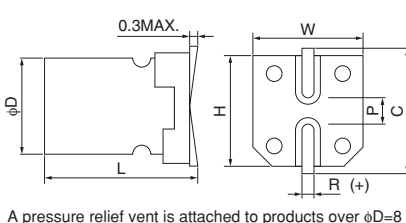
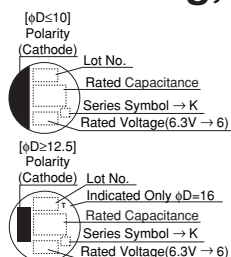


- This series has 10 to 20% less impedance with same package than CE-AX series.
- 105°C, 1000 to 2000hrs. Solvent proof (within 2 minutes).

Specifications

Items		Specifications								
Rated voltage (V)		6.3	10	16	25	35	50	63	80	100
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	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
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	2	2	2
	Z _{-55°C} /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 : 1000hrs., φ8 to φ16 : 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)

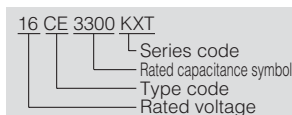
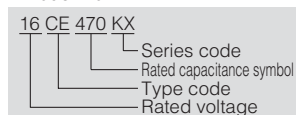
D ±0.5MAX.	L ±0.3	W ±0.2	H ±0.2	C ±0.2	R	P ±0.2
4	6.0	4.3	4.3	5.0	0.5 to 0.8	1.0
5	6.0	5.3	5.3	6.0	0.5 to 0.8	1.4
6.3	6.0	6.6	6.6	7.3	0.5 to 0.8	2.2
6.3	7.7	6.6	6.6	7.3	0.5 to 0.8	2.2
8	10.2	8.3	8.3	9.0	0.7 to 1.0	3.2
10	10.2	10.3	10.3	11.0	1.1 to 1.4	4.6
12.5	13.5 ±0.5	12.8	12.8	13.5	1.1 to 1.4	4.6
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	63	80	100
4.7					4x6.0 1.45 90	4x6.0 2.55 64	5x6.0 2.00 55	6.3x6.0 2.40 45	
10				4x6.0 1.45 90	5x6.0 0.70 170	6.3x6.0 0.52 215	6.3x6.0 1.00 90	6.3x7.7 2.00 65	
15			4x6.0 1.45 90	5x6.0 0.70 170	5x6.0 0.70 170				
22		4x6.0 1.45 90	5x6.0 0.70 170	5x6.0 0.70 170	5x6.0 0.70 170	6.3x6.0 0.52 215	6.3x7.7 0.80 135	8x10.2 0.90 140	8x10.2 0.90 140
27	4x6.0 1.45 90								
33	→	5x6.0 0.70 170	→	→	6.3x6.0 0.39 250	6.3x6.0 0.39 250	6.3x7.7 0.44 243	8x10.2 0.35 280	8x10.2 0.90 140
47	5x6.0 0.70 170	→	6.3x6.0 0.39 250	6.3x6.0 0.39 250	6.3x6.0 0.39 250	6.3x7.7 0.44 243	8x10.2 0.35 280	10x10.2 0.50 220	12.5x13.5 0.24 500
56	5x6.0 0.70 170			6.3x6.0 0.39 250	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	6.3x7.7 0.30 300	8x10.2 0.15 600	8x10.2 0.15 600			
150	6.3x6.0 0.39 250	6.3x6.0 0.39 250	6.3x7.7 0.30 300	8x10.2 0.15 600	8x10.2 0.15 600			12.5x13.5 0.24 500	16x16.5 0.14 800
220	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	10x10.2 0.13 585	12.5x13.5 0.14 800		
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 0.08 850	12.5x13.5 0.10 800		16x16.5 0.14 800
470	8x10.2 0.15 600	8x10.2 0.15 600	8x10.2 0.15 600	10x10.2 0.08 850	12.5x13.5 0.058 1150				
680	8x10.2 0.15 600	→	10x10.2 0.08 850	→	12.5x13.5 0.058 1150				
1000	8x10.2 0.15 600	10x10.2 0.08 850	→	12.5x13.5 0.058 1150	16x16.5 0.035 1800	16x16.5 0.060 1610			
1500	10x10.2 0.08 850	→	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								

→ Use next higher voltage product.

■ Model No.



Case size ; φD x L (mm)
16 x 16.5 ; CE-KXT series

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

Impedance (Ω)
MAX. at 100kHz, 20°C