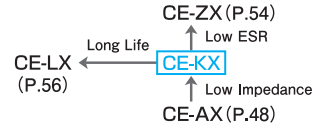


# CE-KX Series

Low Impedance

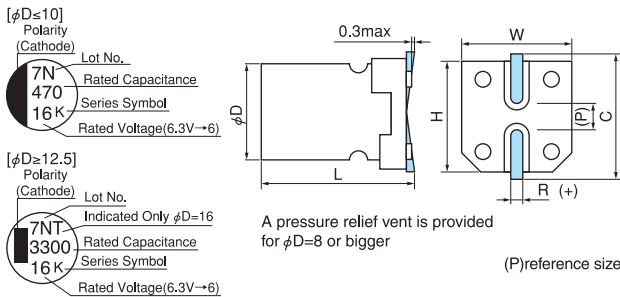


- 10 to 20% less impedance than CE-AX series at high frequencies.
- 105°C, 1,000 to 2,000hours • Solvent proof (within 2 minutes)

## 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)	tan δ (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)	Exceeding 1,000μF, +0.02 every 1,000μF										
Impedance ratio at low temperature	Based the value at 120Hz, +20°C	-40°C Z/Z20°C	3	2	2	2	2	2	2	2	2	
		-55°C Z/Z20°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									
		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	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

Aluminum Electrolytic Capacitors

CE-BE  
CE-BD  
CE-BS  
CE-BSS  
CE-CE  
CE-LD  
CE-FE  
CE-FSS  
CE-FS  
CE-FH  
CE-LH  
CE-AX  
**CE-KX**  
CE-GA  
CE-LS  
CE-ZX  
CE-ZC  
CE-LX  
CE-LL  
Voltage)  
CE-PC  
CE-PH  
CE-PS  
CE-PF  
CE-TH  
CE-JX  
CE-NP  
CE-FN  
ME-SWB  
-UZ · SZ  
AX · 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  
PC · HPD  
E-FC · FD  
ME-SWN  
ME-HWN

■ Size, Impedance, Rated Ripple Current

μF	V			6.3			10			16			25			35			
4.7																	4×6.0	1.45	90
10														4×6.0	1.45	90	5×6.0	0.70	170
15										4×6.0	1.45	90	5×6.0	0.70	170	5×6.0	0.70	170	
22							4×6.0	1.45	90	5×6.0	0.70	170	5×6.0	0.70	170	5×6.0	0.70	170	
27				4×6.0	1.45	90													
33				→			5×6.0	0.70	170	→				6.3×6.0	0.39	250	6.3×6.0	0.39	250
47				5×6.0	0.70	170	→			6.3×6.0	0.39	250	6.3×6.0	0.39	250	6.3×6.0	0.39	250	
56				5×6.0	0.70	170								6.3×6.0	0.39	250			
68				→			6.3×6.0	0.39	250	6.3×6.0	0.39	250	6.3×6.0	0.39	250	6.3×6.0	0.39	250	
100				6.3×6.0	0.39	250	→			6.3×6.0	0.39	250	6.3×7.7	0.30	300	8×10.2	0.15	600	
150				6.3×6.0	0.39	250	6.3×6.0	0.39	250	6.3×7.7	0.30	300	8×10.2	0.15	600	8×10.2	0.15	600	
220				6.3×6.0	0.39	250	6.3×7.7	0.30	300	6.3×7.7	0.30	300	8×10.2	0.15	600	8×10.2	0.15	600	
330				6.3×7.7	0.30	300	8×10.2	0.15	600	8×10.2	0.15	600	8×10.2	0.15	600	10×10.2	0.080	850	
470				8×10.2	0.15	600	8×10.2	0.15	600	8×10.2	0.15	600	10×10.2	0.080	850	12.5×13.5	0.058	1150	
680				8×10.2	0.15	600	→			10×10.2	0.080	850				12.5×13.5	0.058	1150	
1000				8×10.2	0.15	600	10×10.2	0.080	850				12.5×13.5	0.058	1150	16×16.5	0.035	1800	
1500				10×10.2	0.080	850				12.5×13.5	0.058	1150				16×16.5	0.035	1800	
2200							12.5×13.5	0.058	1150				16×16.5	0.035	1800				
3300				12.5×13.5	0.058	1150				16×16.5	0.035	1800							
4700							16×16.5	0.035	1800										
6800				16×16.5	0.035	1800													

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

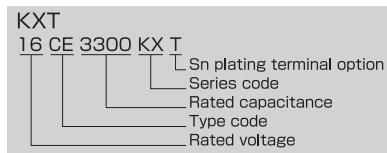
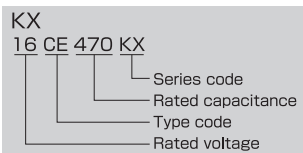
μF	V			50			63			80			100		
2.2												6.3×6.0	2.70	42	
3.3												6.3×6.0	2.40	45	
4.7				4×6.0	2.55	64	5×6.0	2.00	55	6.3×6.0	2.40	45	6.3×6.0	2.40	45
10				6.3×6.0	0.52	215	6.3×6.0	1.00	90	6.3×7.7	2.00	65	6.3×7.7	2.00	65
22				6.3×6.0	0.52	215	6.3×7.7	0.80	135	8×10.2	0.90	140	8×10.2	0.90	140
33				6.3×7.7	0.44	243	8×10.2	0.35	280	8×10.2	0.90	140	10×10.2	0.50	220
47				6.3×7.7	0.44	243	8×10.2	0.35	280	10×10.2	0.50	220	12.5×13.5	0.24	500
68										12.5×13.5	0.24	500	12.5×13.5	0.24	500
100				8×10.2	0.22	400	10×10.2	0.20	480	12.5×13.5	0.24	500	16×16.5	0.14	800
150										12.5×13.5	0.24	500	16×16.5	0.14	800
220				10×10.2	0.13	585	12.5×13.5	0.14	800						
330				12.5×13.5	0.10	800				16×16.5	0.14	800			
470							16×16.5	0.065	1410						
1000				16×16.5	0.060	1610									

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

Case size:φDxL(mm)  
16×16.5:CE-KXT

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

■ Part number



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