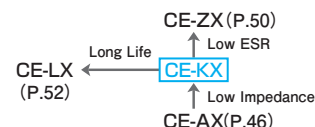


CE-KX Series

Low Impedance



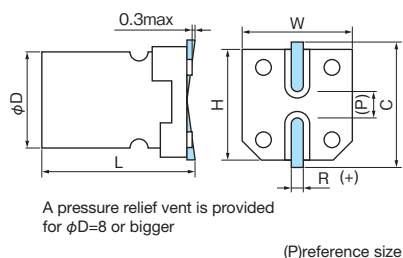
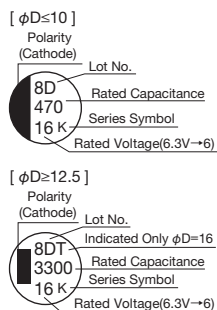
- 10 to 20% less impedance than CE-AX series at high frequencies.
- 105°C 1,000 to 2,000hours • Solvent proof (within 2 minutes)



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)	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
		Exceeding 1,000μF, +0.02 every 1,000μF									
Leakage current(LC)	μA/after 2minutes (max)		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								
		△C/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

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					4x6.0	1.45	90	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	6.3x7.7	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
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
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
330	6.3x7.7	0.30	300		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	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										

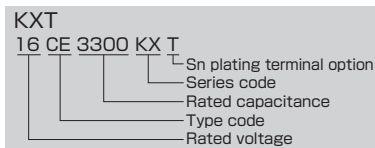
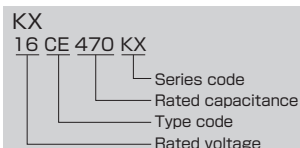
→Please use the higher voltage model in the next.
Please refer to page 14 for
ripple current frequency coefficients.

Case size: $\phi\text{D} \times \text{L}$ (mm)
16x16.5: CE-KXT

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

Impedance (Ω)
max at 100kHz, 20°C

Part number



Surface
Mount Type

Aluminum Electrolytic
Capacitors

CE-BE
CE-BD
CE-BS
CE-BSS
CE-FE
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 **NEW**
CE-PC
CE-PH
CE-PS
CE-PF
CE-TH
CE-JX
CE-NP
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[50SEV10M6.3X5.5](#) [50SGV1M4X6.1](#) [SC1C476M05005VR](#) [SC1E107M0806BVR](#) [SC1E227M08010VR](#) [SC1H106M05005VR](#)
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[VES101M1CTR-0605](#) [TYEH1H475E55MTR](#) [6.3SEV22M4X5.5](#) [6.3SEV47M4X5.5](#) [EEEFK1H151GP](#) [EEEFK1A681GP](#) [EEE0GA471XP](#)
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[ZK1V181P](#) [GYA1V271MCQ1GS](#)