Aluminum Electrolytic Type / Surface Mount Type **RoHS compliance**

CE-ZX Series

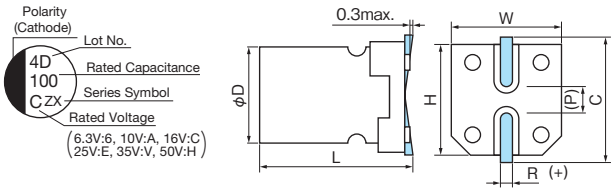
Super Low ESR

- 30 to 50% less ESR than CE-KX series at high frequencies.
- 105℃ 2,000hours
- Solvent proof (within 2 minutes)
- AEC-Q200

■ 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 (℃)	–		−55 to +105					
Capacitance tolerance (%)	120Hz/20℃		M : ±20					
Dissipation Factor(tan δ)	tanδ(max.) 120Hz/20℃		0.26	0.19	0.16	0.14	0.12	0.10
Leakage current(LC)	μA/after 2minutes (max.), 20℃		0.01CV					
Impedance ratio at low temperature	Based on the value at 120Hz, +20℃	−40℃ Z/Z20℃	3	3	3	3	3	3
		−55℃ Z/Z20℃	4	4	4	3	3	3
Endurance	105℃, 2,000hours rated voltage applied (With the rated ripple current)	△C/C	Within ±30% of the initial value					
		tanδ	Not more than 200% of the specified value					
		LC	Not more than the specified value					
Shelf Life	105℃, 1,000hours(with no voltage load)		Shall meet the endurance spec above after voltage treatment at 20deg.C per JIS C 5101-4 4.1.					

■ Marking, Dimensions



A pressure relief vent is provided for φD=8 or bigger

(P)reference size

(Unit : mm)

D±0.5	L±0.3	W±0.2	H±0.2	C±0.2	R	P
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	10.5	8.3	8.3	9.0	0.7 to 1.0	3.2
10	10.5	10.3	10.3	11.0	1.0 to 1.4	4.6
10	13.5±0.5	10.3	10.3	11.0	1.0 to 1.4	4.6

■ Size, ESR, Rated Ripple Current

μF \ V	6.3			10			16			25			35			50		
33										→			6.3×6.0	0.26	300			
47							→			→			6.3×6.0	0.26	300			
68							→			6.3×6.0	0.26	300	6.3×7.7	0.16	600			
100	6.3×6.0	0.26	300				6.3×6.0 ★1	0.26	300	→			6.3×7.7 ★1	0.16	600			
							6.3×7.7	0.16	600				8×10.5	0.08	850	8×10.5	0.18	670
150				6.3×6.0	0.26	300	6.3×7.7	0.16	600	→			8×10.5	0.08	850			
220	6.3×6.0	0.26	300	→			6.3×7.7	0.16	600	→			8×10.5	0.08	850	10×10.5	0.12	900
330	6.3×7.7	0.16	600	→			→			8×10.5	0.08	850	10×10.5	0.06	1190	10×13.5★2	0.10	900
390													10×10.5	0.08	850			
470	→			→			8×10.5	0.08	850	10×10.5	0.06	1190	10×13.5★2	0.06	1190			
560										10×10.5	0.08	850						
680				8×10.5	0.08	850	10×10.5	0.06	1190	10×13.5★2	0.06	1190						
820							10×10.5	0.08	850									
1000	8×10.5	0.08	850	10×10.5	0.06	1190	10×13.5★2	0.06	1190									
1200				10×10.5	0.08	850												
1500	10×10.5	0.06	1190	10×13.5★2	0.06	1190												
1800	10×10.5	0.08	850															

→Please use the higher voltage model in the next.
Please refer to page 16 for ripple current frequency coefficients.
★1 ZXS ★2 ZXC

Case size:φDxL(mm)
ESR(Ω) max. at 100kHz, 20℃
Rated ripple current mArms(100kHz, 105℃)

■ Part number

ZX
16 CE 100 ZX
- Series symbol
- Rated capacitance
- Type symbol
- Rated voltage

ZXS
16 CE 100 ZXS
- Series symbol
- Rated capacitance
- Type symbol
- Rated voltage

ZXC
16 CE 1000 ZXC
- Series symbol
- Rated capacitance
- Type symbol
- Rated voltage