

CE-ZC Series

Super Low ESR
Small, High Capacitance



UP GRADE

- 105°C 2,000 to 3,000hours
- Solvent proof (within 2 minutes)
- AEC-Q200

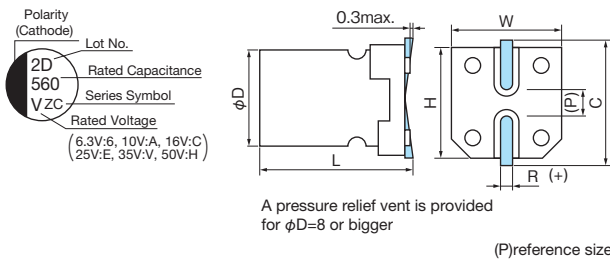
Surface Mount Type
Aluminum Electrolytic Capacitors

- CE-LD
- CE-FSS
- CE-FS(High Voltage)
- CE-FS
- CE-AX
- 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-FN

Specifications

Items	Condition	Specifications						
Rated voltage (V)	—	6.3	10	16	25	35	50	
Surge voltage (V)	Room temperature	8	13	20	32	44	63	
Category temperature range (°C)	—	-55 to +105						
Capacitance tolerance (%)	120Hz/20°C	M : ±20						
Dissipation Factor(tan δ)	tanδ (max.) 120Hz/20°C	0.26	0.19	0.16	0.14	0.12	0.10	
		Exceeding 1,000µF, +0.02 every 1,000µF						
Leakage current(LC)	µA/after 2minutes (max.), 20°C	0.01CV						
Impedance ratio at low temperature	Based on the value at 120Hz, +20°C	-40°C Z/Z _{20°C}	3	3	3	3	3	3
		-55°C Z/Z _{20°C}	4	4	4	3	3	3
Endurance	105°C rated voltage applied (With the rated ripple current)	Test	2,000hours(φ10 × 13.5 3,000hours)					
		ΔC/C	Within ±30% 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
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
47						6.3×6.0 0.68 195
68					6.3×6.0 0.28 300	
100				6.3×6.0 0.28 300	6.3×6.0 0.28 300	
150			6.3×6.0 0.28 300	6.3×7.7 0.16 600	6.3×7.7 0.16 600	
220		6.3×6.0 0.28 300	6.3×6.0 0.28 300	6.3×7.7 0.16 600		
330	6.3×6.0 0.28 300	6.3×7.7 0.16 600	6.3×7.7 0.16 600		8×10.5 0.08 850	10×10.5 0.12 900
390					8×10.5 0.08 850	
470	6.3×7.7 0.16 600	6.3×7.7 0.16 600		8×10.5 0.08 850	10×10.5 0.06 1190	
560				8×10.5 0.08 850	10×10.5 0.06 1190	
680	6.3×7.7 0.16 600		8×10.5 0.08 850		10×10.5 0.06 1190	
820				10×10.5 0.06 1190	10×13.5★ 0.06 1500	
1000		8×10.5 0.08 850	10×10.5 0.06 1190	10×10.5 0.06 1190		
1200				10×13.5★ 0.06 1500		
1500	8×10.5 0.08 850	10×10.5 0.06 1190				
2200	10×10.5 0.06 1190					

Please refer to page 14 for ripple current frequency coefficients.

★ ZCC

Case size: φD×L(mm)

ESR(Ω)
max. at 100kHz, 20°C

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

Part number

