

CE-ZC Series

Super Low ESR

Small, High Capacitance



- 105°C 2,000 to 5,000hours
- Solvent proof (within 2 minutes)
- AEC-Q200

UP GRADE

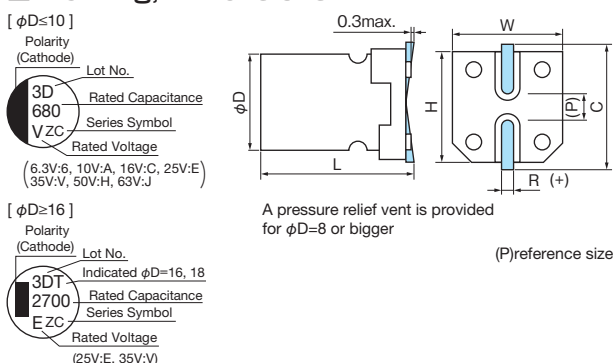
Surface Mount Type
Aluminum Electrolytic
Capacitors

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-PB **NEW**
CE-TH
CE-JX
CE-FN

Specifications

Items	Condition		Specifications						
Rated voltage (V)	—		6.3	10	16	25	35	50	63
Surge voltage (V)	Room temperature		8.0	13	20	32	44	63	79
Category temperature range (°C)	—		-55 to +105						
Capacitance tolerance (%)	120Hz/20°C		M : ±10						
Dissipation Factor(tan δ)	tanδ(max.) 120Hz/20°C		0.26	0.19	0.16	0.14	0.12	0.10	0.08
			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	3
		-55°C Z/Z _{20°C}	4	4	4	3	3	3	3
Endurance	105°C rated voltage applied (With the rated ripple current)	Test	φ6.3×6.0 to φ10×10.5:2,000hours, φ10×13.5:3,000hours, φ16 to φ18:5,000hours						
		ΔC/C	Within ±30% of the initial value						
		tanδ	Less than 200% of the specified value						
		LC	Less than the specified value						
Shelf Life	105°C, 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



(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
16	16.5 ^{±0.5}	16.3	16.3	17.3	1.7 to 2.1	7.0
16	21.5 ^{±1.0}	16.3	16.3	17.3	1.7 to 2.1	7.0
18	16.5 ^{±1.0}	19.0	19.0	20.0	1.7 to 2.1	7.0
18	21.5 ^{±1.0}	19.0	19.0	20.0	1.7 to 2.1	7.0

Size, ESR, Rated Ripple Current

µF	V	6.3	10	16	25	35
68						6.3×6.0 0.28 300
100						6.3×6.0 0.28 300
150				6.3×6.0 0.28 300		6.3×7.7 0.16 600
220				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		8×10.5 0.08 850
390						8×10.5 0.08 850
470		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	
1200					10×13.5★ 0.06 1500	
1500	8×10.5 0.08 850	10×10.5 0.06 1190				
1800						16×16.5 0.035 1800
2200	10×10.5 0.06 1190					
2400						18×16.5 0.033 2060
2700					16×16.5 0.035 1800	16×21.5 0.034 2540
3000						18×21.5 0.025 2640
3600					18×16.5 0.033 2060	
3900					16×21.5 0.034 2540	
4700					18×21.5 0.025 2640	

µF	V	50	63
47	6.3×6.0 0.68 195		
220		10×13.5★ 0.14 600	
330	10×10.5 0.12 900		
470	10×13.5★ 0.12 750		

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

ESR(Ω)
 max. at 100kHz, 20°C

Case size: φD×L(mm)
 φ16, φ18: CE-ZCT

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

Part number

