

CE-ZC Series

Super Low ESR

Small, High Capacitance

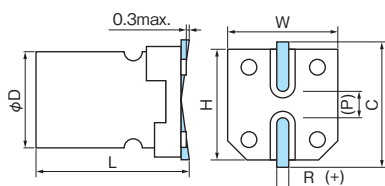
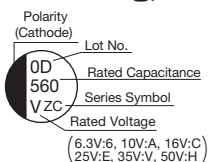

UP GRADE

- 105°C 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	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.)	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, 2,000hours rated voltage applied (With the rated ripple current)	ΔC/C	Within ±30% of the initial value					
		tanδ	Less than 200% of the specified value					
		LC	Less than the specified value					

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

Size, ESR, Rated Ripple Current

µF \ V	6.3	10	16	25	35	50						
68					6.3x6.0	0.28	300					
100				6.3x6.0	0.28	300	6.3x6.0	0.28	300			
150			6.3x6.0	0.28	300	6.3x7.7	0.16	600	6.3x7.7	0.16	600	
220		6.3x6.0	0.28	300	6.3x6.0	0.28	300	6.3x7.7	0.16	600		
330	6.3x6.0	0.28	300	6.3x7.7	0.16	600	6.3x7.7	0.16	600			
390							8x10.5	0.08	850	10x10.5	0.12	900
470	6.3x7.7	0.16	600	6.3x7.7	0.16	600				8x10.5	0.08	850
560							8x10.5	0.08	850	10x10.5	0.06	1190
680	6.3x7.7	0.16	600				8x10.5	0.08	850	10x10.5	0.06	1190
820							10x10.5	0.06	1190			
1000		8x10.5	0.08	850	10x10.5	0.06	1190	10x10.5	0.06	1190		
1500	8x10.5	0.08	850	10x10.5	0.06	1190						
2200	10x10.5	0.06	1190									

Please refer to page 14 for ripple current frequency coefficients.

Case size: φDxL(mm)

 ESR(Ω)
max. at 100kHz, 20°C

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

Part number

