

# CE-ZC Series

Super Low ESR

Small, High Capacitance



CE-ZX (P.54)

↓ Small

CE-ZC

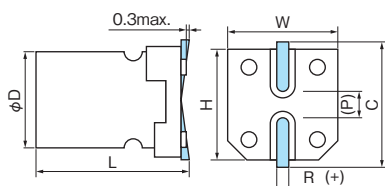
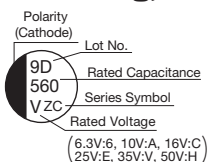
 $\phi 6.3 \times 7.7$ 
**UP GRADE**

- 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 : $\pm 20$						
Dissipation Factor (tan $\delta$ )	tan $\delta$ (max.) 120Hz/20°C	0.26	0.19	0.16	0.14	0.12	0.10	
		Exceeding 1,000 $\mu$ F, +0.02 every 1,000 $\mu$ F						
Leakage current (LC)	$\mu$ A/after 2minutes (max.)	0.01 CV						
Impedance ratio at low temperature	Based on the value at 120Hz, +20°C	-40°C Z/Z <sub>20°C</sub>	3	3	3	3	3	3
		-55°C Z/Z <sub>20°C</sub>	4	4	4	3	3	3
Endurance	105°C, 2,000hours rated voltage applied (With the rated ripple current)	$\Delta$ C/C	Within $\pm 30\%$ of the initial value					
		tan $\delta$	Less than 200% of the specified value					
		LC	Less than the specified value					

## Marking, Dimensions


 A pressure relief vent is provided for  $\phi D=8$  or bigger

(P)reference size

(Unit : mm)

D $\pm 0.5$	L $\pm 0.3$	W $\pm 0.2$	H $\pm 0.2$	C $\pm 0.2$	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

$\mu$ F \ 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		8x10.5 0.08 850	10x10.5 0.12 900
470				8x10.5 0.08 850		
560					10x10.5 0.06 1190	
680			8x10.5 0.08 850			
820				10x10.5 0.06 1190		
1000		8x10.5 0.08 850	10x10.5 0.06 1190			
1500	8x10.5 0.08 850	10x10.5 0.06 1190				
2200	10x10.5 0.06 1190					

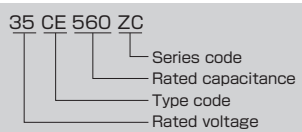
Please refer to page 14 for ripple current frequency coefficients.

 Case size:  $\phi D \times L$  (mm)

 ESR ( $\Omega$ )  
max. at 100kHz, 20°C

 Rated ripple current  
mA rms (100kHz, 105°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
- CE-PC
- CE-PH
- CE-PS
- CE-PF
- CE-TH
- CE-JX
- CE-NP
- CE-FN