

# CE-ZX Series

Super Low ESR

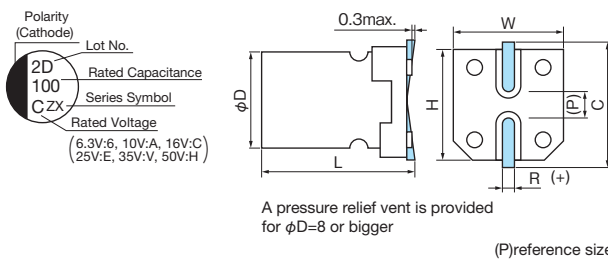


- 30 to 50% less ESR than CE-KX series at high frequencies.
- 105°C 2,000hours ● Solvent proof (within 2 minutes)
- AEC-Q200

## Specifications

Items	Condition	Specifications					
Rated voltage (V)	—	6.3	10	16	25	35	50
Surge voltage (V)	Room temperature	8.0	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
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 <sub>20°C</sub>	3	3	3	3	3
		-55°C Z/Z <sub>20°C</sub>	4	4	4	3	3
Endurance	105°C, 2,000hours rated voltage applied (With the rated ripple current)	△C/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 <sup>+0.5</sup>	L <sup>+0.3</sup>	W <sup>+0.2</sup>	H <sup>+0.2</sup>	C <sup>+0.2</sup>	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 <sup>+0.5</sup>	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				6.3x6.0 0.26 300	6.3x6.0 0.26 300	
47			6.3x6.0 0.26 300	6.3x6.0 0.26 300	6.3x6.0 0.26 300	
68			6.3x6.0 0.26 300	6.3x6.0 0.26 300	6.3x7.7 0.16 600	
100	6.3x6.0 0.26 300		6.3x6.0 ★1 0.26 300	6.3x7.7 0.16 600	6.3x7.7 ★1 0.16 600	
150		6.3x6.0 0.26 300	6.3x7.7 0.16 600	8x10.5 0.08 850	8x10.5 0.08 850	
220	6.3x6.0 0.26 300	6.3x7.7 0.16 600	6.3x7.7 0.16 600	8x10.5 0.08 850	8x10.5 0.08 850	10x10.5 0.12 900
330	6.3x7.7 0.16 600	8x10.5 0.08 850	8x10.5 0.08 850	8x10.5 0.08 850	10x10.5 0.06 1190	10x13.5 ★2 0.10 900
390					10x10.5 0.08 850	
470	8x10.5 0.08 850	8x10.5 0.08 850	8x10.5 0.08 850	10x10.5 0.06 1190	10x13.5 ★2 0.06 1190	
560				10x10.5 0.08 850		
680		8x10.5 0.08 850	10x10.5 0.06 1190	10x13.5 ★2 0.06 1190		
820			10x10.5 0.08 850			
1000	8x10.5 0.08 850	10x10.5 0.06 1190	10x13.5 ★2 0.06 1190			
1200		10x10.5 0.08 850				
1500	10x10.5 0.06 1190	10x13.5 ★2 0.06 1190				
1800	10x10.5 0.08 850					

Please refer to page 14 for ripple current frequency coefficients.  
★1 ZXS ★2 ZXC

Case size: φDxL (mm)

Rated ripple current  
mA<sub>rms</sub>(100kHz, 105°C)  
ESR(Ω)  
max. at 100kHz, 20°C

## Part number

