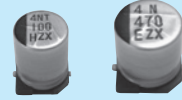


# CE-ZX Series

Super Low ESR

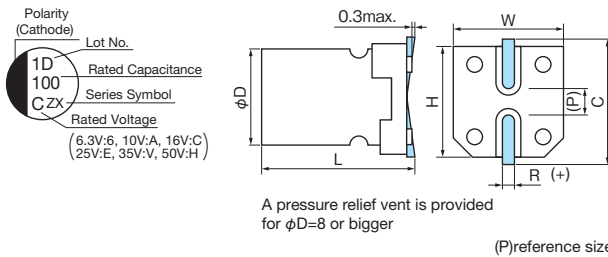


- 30 to 50% less ESR than CE-KX series at high frequencies.
- 105°C 2,000hours ● Solvent proof (within 2 minutes)
- AEC-Q200

## 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	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)	△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					
				6.3x7.7	0.16	600	8x10.5	0.08	850	8x10.5	0.18	670							
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  
mArms(100kHz, 105°C)  
ESR(Ω)  
max. at 100kHz, 20°C

## Part number

