

CE-ZX Series

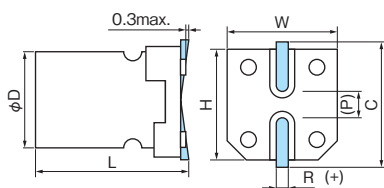
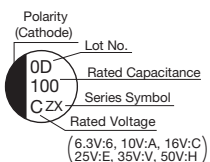
Super Low ESR


- 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.)	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
		-55°C Z/Z _{20°C}	4	4	4	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
10	13.5 ^{±0.5}	10.3	10.3	11.0	1.0 to 1.4	4.6

Size, ESR, Rated Ripple Current

µF	6.3			10			16			25			35			50			
33																			
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	6.3x7.7	0.16	600	8x10.5	0.08	850	8x10.5	0.18	670	
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

