

# ME-CX Series

Low Impedance

Miniature, Long Life

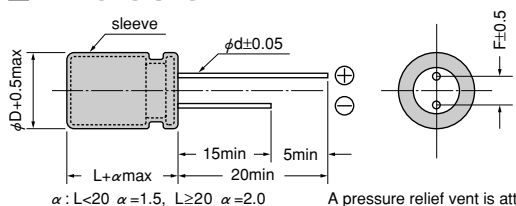


- 105°C, 2,000 to 7,000hrs.
- Solvent proof (within 5 minutes)

## Specifications

Items	Condition	Specifications					
Rated voltage (V)	—	6.3	10	16	25	35	
Surge voltage (V)	Room temperature	8.0	13	20	32	44	
Category temperature range (°C)	—	-55 to +105					
Capacitance tolerance (%)	120Hz/20°C	M : ±20					
Dissipation Factor (tanδ)	120Hz/20°C	0.22	0.19	0.16	0.14	0.12	
Leakage current (LC)	μA/after 2minutes (max)	0.01CV					
Impedance ratio at low temperature	Based the value at 120Hz, +20°C	-40°C Z/Z <sub>20°C</sub>	3	2	2	2	2
		-55°C Z/Z <sub>20°C</sub>	4	4	3	3	3
Endurance	105°C rated voltage applied (With the rated ripple current)	Test	φ5 to φ6.3 : 2,000hrs., φ8 : 3,000hrs., φ10 : 4,000hrs., φ12.5 : 5,000hrs., φ16 to φ18 : 7,000hrs.				
		ΔC/C	Within ±25% of the initial value				
		tan δ	≤ 2 times the initial specified value				
		LC	≤ The initial specified value				

## Dimensions



(Unit : mm)

φD	5	6.3	8	10	12.5	16	18
F	2.0	2.5	3.5	5.0	5.0	7.5	7.5
φd	0.5	0.5	0.6	0.6	0.6★	0.8	0.8

★φ12.5×30:φd=0.8

## Size List, Impedance, Rated Ripple Current

Case size φD×L(mm)	Items	6.3			10		
		Capacitance (μF)	Impedance(Ωmax) (20°C/100kHz)	Rated ripple current(mArms) (105°C/10k to 200kHz)	Capacitance (μF)	Impedance(Ωmax) (20°C/100kHz)	Rated ripple current(mArms) (105°C/10k to 200kHz)
5×11		180	0.34	205	150	0.34	205
6.3×11		330	0.17	330	270	0.17	330
6.3×11		390	0.17	330	330	0.17	330
8×11.5		680	0.11	580	470	0.11	580
8×11.5					560	0.11	580
8×15		1000	0.080	750	680	0.080	750
8×20	★1	1200	0.060	1000	★1 1000	0.060	1000
8×20	★1	1500	0.060	1000			
10×12.5		1200	0.063	900	820	0.063	900
10×16		1500	0.049	1200	1000	0.049	1200
10×16					1200	0.049	1200
10×20		2200	0.036	1450	1500	0.036	1450
10×22		2700	0.036	1500	1800	0.036	1500
12.5×20		3900	0.035	1660	2700	0.035	1660
12.5×25		4700	0.027	2000	3900	0.027	2000
12.5×25		5600	0.027	2000			
12.5×30	★1	6800	0.024	2450	★1 4700	0.024	2450
16×21	★2	5600	0.032	2000	★2 3900	0.032	2000
16×25		6800	0.022	2560	4700	0.022	2560
16×25		8200	0.022	2560	5600	0.022	2560
16×31.5		10000	0.017	3010	6800	0.017	3010
16×31.5					8200	0.017	3010
16×35.5		12000	0.016	3150	10000	0.016	3150
18×21	★2	6800	0.030	2490	★2 5600	0.030	2490
18×25	★2	10000	0.022	2740	★2 6800	0.022	2740
18×30.5	★2	12000	0.017	3330	★2 10000	0.017	3330
18×35.5		15000	0.016	3680	12000	0.016	3680

Please refer to page 15 for the ripple current frequency coefficient.

★1 CXL series ★2 CXS series

Size List, Impedance, Rated Ripple Current

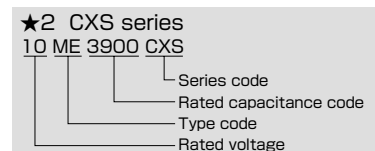
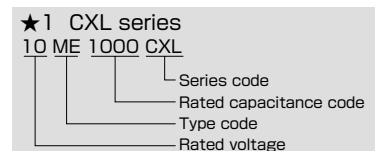
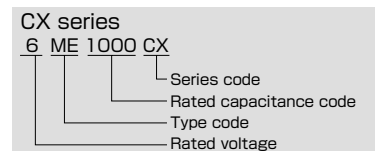
Case size φDxL(mm)	Items	16			25		
		Capacitance (μF)	Impedance(Ωmax) (20°C/100kHz)	Rated ripple current(mArms) (105°C/10k to 200kHz)	Capacitance (μF)	Impedance(Ωmax) (20°C/100kHz)	Rated ripple current(mArms) (105°C/10k to 200kHz)
5x11		100	0.34	205	68	0.34	205
6.3x11		180	0.17	330	120	0.17	330
6.3x11		220	0.17	330	150	0.17	330
8x11.5		330	0.11	580	220	0.11	580
8x15		470	0.080	750	330	0.080	750
8x20		680	0.060	1000	470	0.060	1000
10x12.5		560	0.063	900	390	0.063	900
10x16		820	0.049	1200	560	0.049	1200
10x20		1000	0.036	1450	680	0.036	1450
10x20					820	0.036	1450
10x22		1200	0.036	1500	1000	0.036	1500
12.5x20		1500	0.035	1660	1200	0.035	1660
12.5x20		1800	0.035	1660	1500	0.035	1660
12.5x25		2200	0.027	2000	1800	0.027	2000
12.5x25		2700	0.027	2000	2200	0.027	2000
12.5x30	★1	3300	0.024	2450	★1 2200	0.024	2450
16x21	★2	2700	0.032	2000	★2 1800	0.032	2000
16x25		3300	0.022	2560	2700	0.022	2560
16x25		3900	0.022	2560			
16x31.5		4700	0.017	3010	3300	0.017	3010
16x31.5		5600	0.017	3010			
16x35.5		6800	0.016	3150	3900	0.016	3150
18x21	★2	3300	0.030	2490	★2 2200	0.030	2490
18x25	★2	4700	0.022	2740	★2 3300	0.022	2740
18x30.5					★2 3900	0.017	3330
18x35.5		8200	0.016	3680	5600	0.016	3680

Case size φDxL(mm)	Items	35		
		Capacitance (μF)	Impedance(Ωmax) (20°C/100kHz)	Rated ripple current(mArms) (105°C/10k to 200kHz)
5x11		47	0.34	205
6.3x11		100	0.17	330
8x11.5		150	0.11	580
8x15		220	0.080	750
8x20	★1	330	0.060	1000
10x12.5		270	0.063	900
10x16		330	0.049	1200
10x16		390	0.049	1200
10x20		470	0.036	1450
10x20		560	0.036	1450
10x22		680	0.036	1500
12.5x20		820	0.035	1660
12.5x25		1200	0.027	2000
12.5x30	★1	1500	0.024	2450
16x21	★2	1200	0.032	2000
16x25		1800	0.022	2560
16x31.5		2700	0.017	3010
16x35.5		3300	0.016	3150
18x21	★2	1500	0.030	2490
18x25		2200	0.022	2740
18x30.5	★2	3300	0.017	3330
18x35.5		3900	0.016	3680

Please refer to page 15 for the ripple current frequency coefficient.

- ★1 CXL series
- ★2 CXS series

Model No.



- CE-BJ
- CE-BE
- CE-BD
- CE-BSS
- CE-BS
- CE-FE
- CE-FD
- CE-LD
- CE-FSS
- CE-FU
- CE-FS
- CE-FH
- CE-GA
- CE-AX
- CE-KX
- CE-LX
- CE-LS
- CE-LH
- CE-LL
- CE-PC
- CE-PH
- CE-NP
- CE-FN
- ME-SWB
- ME-UZ·SZ
- ME-UAX·SAX
- ME-LS
- ME-HC
- ME-CZ
- ME-CA
- ME-CX
- ME-AX
- ME-WX
- ME-WA
- ME-WL
- ME-SWG
- ME-WG
- ME-PX
- ME-HPC·HPD
- ME-FC·FD
- ME-FAZ
- ME-FH
- ME-SWN
- ME-HWN