Aluminum Electrolytic Type / Radial Lead Type — RoHS compliance

ME-CX Series

Low Impedance
Small, Long Life

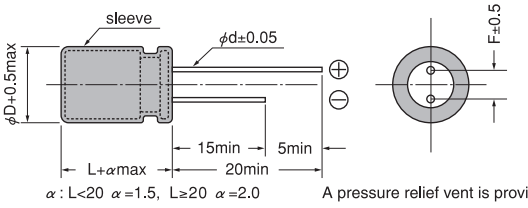
- 105℃, 2,000 to 7,000hours
- Solvent proof (within 5 minutes)

Long Life
ME-AX (P.82) ← ME-CX → Low Impedance
ME-CA (P.78)

■ 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 (℃)	–		−55 to +105				
Capacitance tolerance (%)	120Hz/20℃		M : ±20				
Dissipation Factor (tanδ)	tanδ (max) 120Hz/20℃		0.22	0.19	0.16	0.14	0.12
			Exceeding 1,000μF, +0.02 every 1,000μF				
Leakage current (LC)	μA/after 2minutes (max)		0.01CV				
Impedance ratio at low temperature	Based the value at 120Hz, +20℃	−40℃ Z/Z20℃	3	2	2	2	2
		−55℃ Z/Z20℃	4	4	3	3	3
Endurance	105℃ rated voltage applied (With the rated ripple current)	Test	φ5 to φ6.3 : 2,000hours, φ8 : 3,000hours, φ10 : 4,000hours, φ12.5 : 5,000hours, φ16 to φ18 : 7,000hours				
		△C/C	Within ±25% of the initial value				
		tanδ	Less than 200% of the specified value				
		LC	Less than the specified value				

■ Dimensions



α : L<20 α=1.5, L≥20 α=2.0

A pressure relief vent is provided for φD=6.3 or bigger

(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, Impedance, Rated Ripple Current

V / Items / Case size φDxL(mm)	6.3 Capacitance (μF)	6.3 Impedance(Ωmax) (20℃/100kHz)	6.3 Rated ripple current(mArms) (105℃/10k to 200kHz)	10 Capacitance (μF)	10 Impedance(Ωmax) (20℃/100kHz)	10 Rated ripple current(mArms) (105℃/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

★1 CXL ★2 CXS

Aluminum Electrolytic Type / Radial Lead Type — RoHS compliance

■ Size, Impedance, Rated Ripple Current

V / Items / Case size φDxL(mm)	16 Capacitance (μF)	16 Impedance(Ωmax) (20℃/100kHz)	16 Rated ripple current(mArms) (105℃/10k to 200kHz)	25 Capacitance (μF)	25 Impedance(Ωmax) (20℃/100kHz)	25 Rated ripple current(mArms) (105℃/10k to 200kHz)
5×11	100	0.34	205	68	0.34	205
6.3×11	180	0.17	330	120	0.17	330
6.3×11	220	0.17	330	150	0.17	330
8×11.5	330	0.11	580	220	0.11	580
8×15	470	0.080	750	330	0.080	750
8×20	680	0.060	1000	470	0.060	1000
10×12.5	560	0.063	900	390	0.063	900
10×12.5				★2 470	0.063	900
10×16	820	0.049	1200	560	0.049	1200
10×16				★2 680	0.049	1200
10×20	1000	0.036	1450	680	0.036	1450
10×20				820	0.036	1450
10×20				★2 1000	0.036	1450
10×22	1200	0.036	1500	1000	0.036	1500
12.5×20	1500	0.035	1660	1200	0.035	1660
12.5×20	1800	0.035	1660	1500	0.035	1660
12.5×25	2200	0.027	2000	1800	0.027	2000
12.5×25	2700	0.027	2000	2200	0.027	2000
12.5×30	★1 3300	0.024	2450	★1 2200	0.024	2450
16×21	★2 2700	0.032	2000	★2 1800	0.032	2000
16×25	3300	0.022	2560	2700	0.022	2560
16×25	3900	0.022	2560			
16×31.5	4700	0.017	3010	3300	0.017	3010
16×31.5	5600	0.017	3010			
16×35.5	6800	0.016	3150	3900	0.016	3150
18×21	★2 3300	0.030	2490	★2 2200	0.030	2490
18×25	★2 4700	0.022	2740	★2 3300	0.022	2740
18×30.5				★2 3900	0.017	3330
18×35.5				4700	0.016	3680
18×35.5	8200	0.016	3680	5600	0.016	3680

V / Items / Case size φDxL(mm)	35 Capacitance (μF)	35 Impedance(Ωmax) (20℃/100kHz)	35 Rated ripple current(mArms) (105℃/10k to 200kHz)
5×11	47	0.34	205
6.3×11	100	0.17	330
8×11.5	150	0.11	580
8×15	220	0.080	750
8×20	★1 330	0.060	1000
10×12.5	270	0.063	900
10×12.5	★2 330	0.063	900
10×16	330	0.049	1200
10×16	390	0.049	1200
10×16	★2 470	0.049	1200
10×20	470	0.036	1450
10×20	560	0.036	1450
10×20	★2 680	0.036	1450
10×22	680	0.036	1500
12.5×20	820	0.035	1660
12.5×20	1000	0.035	1660
12.5×25	1200	0.027	2000
12.5×25	1500	0.027	2000
12.5×30	★1 1500	0.024	2450
16×21	★2 1200	0.032	2000
16×25	1800	0.022	2560
16×31.5	2700	0.017	3010
16×35.5	3300	0.016	3150
18×21	★2 1500	0.030	2490
18×25	2200	0.022	2740
18×30.5	★2 3300	0.017	3330
18×35.5	3900	0.016	3680

★1 CXL
★2 CXS

Please refer to page 15 for ripple current frequency coefficients.

■ Part number

CX
6 ME 1000 CX
- CX: Series code
- 1000: Rated capacitance
- ME: Type code
- 6: Rated voltage

CXL
10 ME 1000 CXL
- CXL: Series code
- 1000: Rated capacitance
- ME: Type code
- 10: Rated voltage

CXS
10 ME 3900 CXS
- CXS: Series code
- 3900: Rated capacitance
- ME: Type code
- 10: Rated voltage