

ME-CX Series

Low Impedance

Small, Long Life

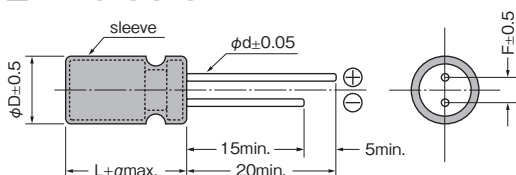


- 105°C 2,000 to 7,000hours
- Solvent proof (within 5 minutes)

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 (tan δ)	tanδ(max.) 120Hz/20°C	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 on the value at 120Hz, +20°C	-40°C Z/Z _{20°C}	3	2	2	2
		-55°C Z/Z _{20°C}	4	4	3	3
Endurance	105°C 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			
		ΔC/C	Within ±25% of the initial value			
		tanδ	Less than 200% of the specified value			
		LC	Less than the specified value			

Dimensions



$$\alpha : L < 20 \quad \alpha = 1.5, L \geq 20 \quad \alpha = 2.0$$

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

Case size φD×L (mm)	Items	6.3			10		
		Capacitance (μF)	Impedance (Ωmax.) (20°C/100kHz)	Rated ripple current (mA Arms) (105°C/10k to 200kHz)	Capacitance (μF)	Impedance (Ωmax.) (20°C/100kHz)	Rated ripple current (mA Arms) (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

★1 CXL ★2 CXS

Size, Impedance, Rated Ripple Current

V Case size Items φD×L(mm)	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)
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 Case size Items φD×L(mm)	35		
	Capacitance (μF)	Impedance(Ωmax.) (20°C/100kHz)	Rated ripple current(mArms) (105°C/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 14 for ripple current frequency coefficients.

 Radial
Lead Type
Aluminum Electrolytic
Capacitors

 ME-SWB
 ME-UZ-SZ
 ME-UAX-SAX
 ME-SWG
 ME-HC
 ME-LS
 ME-CZ
 ME-CA
ME-CX
 ME-AX
 ME-WX
 ME-WA
 ME-WL
 ME-WG
 ME-FX
 ME-PX
 ME-HPC-HPD
 ME-FC-FD
 ME-FH
 ME-SWN
 ME-HWN

Part number
