Aluminum Electrolytic Type / Radial Lead Type **RoHS compliance**

ME-CA Series

Low Impedance
Small

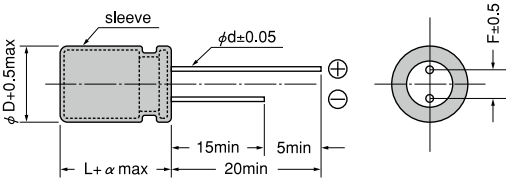
- 105℃, 1,000 to 3,000hours
- Solvent proof (within 5 minutes)

ME-CX (P.78)
↑ Low Impedance
ME-CA
↑ Low Impedance
ME-CZ (P.74)

■ 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 (℃)	–		−55 to +105					
Capacitance tolerance (%)	120Hz/20℃		M : ±20					
Dissipation Factor (tanδ)	tanδ (max) 120Hz/20℃		0.28	0.24	0.20	0.16	0.14	0.12
			Exceeding 1,000μF, +0.02 every 1,000μF					
Leakage current (LC)	μA/after 2minutes (max)		The greater value of either 0.01CV or 3					
Impedance ratio at low temperature	Based the value at 120Hz, +20℃	−40℃ Z/Z20℃	3	3	2	2	2	2
		−55℃ Z/Z20℃	6	5	4	4	3	3
Endurance	105℃ rated voltage applied (With the rated ripple current)	Test	φ5 to φ8 : 1,000hours, φ10 : 2,000hours, φ12.5 to φ16 : 3,000hours					
		△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
F	2.0	2.5	3.5	5.0	5.0	7.5
φd	0.5	0.5	0.6	0.6	0.6	0.8

■ Size, Impedance, Rated Ripple Current

V / Items / Case size φDxL(mm)	6.3			10		
	Capacitance (μF)	Impedance(Ωmax) (20℃/100kHz)	Rated ripple current(mArms) (105℃/10k to 200kHz)	Capacitance (μF)	Impedance(Ωmax) (20℃/100kHz)	Rated ripple current(mArms) (105℃/10k to 200kHz)
5×11	220	0.50	180			
6.3×11	330	0.30	280	220	0.30	280
6.3×11	470	0.24	280	330	0.24	280
8×11.5	1000	0.15	560	470	0.16	410
10×12.5				1000	0.086	710
10×16	2200	0.066	950			
10×20	3300	0.047	1150	2200	0.047	1150
12.5×20	4700	0.042	1460	3300	0.042	1460
12.5×25	6800	0.031	1780	4700	0.031	1780
16×25	10000	0.026	2000	6800	0.026	2000
16×31.5				10000	0.022	2200
16×35.5	15000	0.022	2200			

■ Size, Impedance, Rated Ripple Current

V / Items / Case size φDxL(mm)	16			25		
	Capacitance (μF)	Impedance(Ωmax) (20℃/100kHz)	Rated ripple current(mArms) (105℃/10k to 200kHz)	Capacitance (μF)	Impedance(Ωmax) (20℃/100kHz)	Rated ripple current(mArms) (105℃/10k to 200kHz)
5×11	100	0.50	180			
6.3×11	220	0.24	280	100	0.30	280
8×11.5	330	0.16	410	220	0.16	410
8×11.5	470	0.15	560	330	0.15	560
10×12.5				470	0.086	710
10×16	1000	0.066	950			
10×20				1000	0.047	1150
12.5×20	2200	0.042	1460			
12.5×25	3300	0.035	1780	2200	0.035	1780
16×25	4700	0.026	2000	3300	0.026	2000
16×31.5	6800	0.022	2200	4700	0.022	2200

V / Items / Case size φDxL(mm)	35			50		
	Capacitance (μF)	Impedance(Ωmax) (20℃/100kHz)	Rated ripple current(mArms) (105℃/10k to 200kHz)	Capacitance (μF)	Impedance(Ωmax) (20℃/100kHz)	Rated ripple current(mArms) (105℃/10k to 200kHz)
5×11				2.2	3.0	45
5×11				3.3	2.7	55
5×11				4.7	2.0	90
5×11				10	1.7	110
5×11	33	0.72	180	22	1.2	120
5×11	47	0.50	180	33	0.95	130
6.3×11	100	0.24	280	47	0.56	190
8×11.5	220	0.15	560	100	0.30	320
10×12.5	330	0.086	710	220	0.16	520
10×16	470	0.066	950	330	0.12	670
10×20				470	0.088	820
12.5×20	1000	0.042	1460			
12.5×25				1000	0.053	1200
16×25	2200	0.026	2000			
16×31.5				2200	0.029	1750
16×35.5	3300	0.022	2200			

Please refer to page 15 for ripple current frequency coefficients.

■ Part number