

# ME-WA Series

105°C, Miniature, Long Life

Low Impedance, High Ripple Current



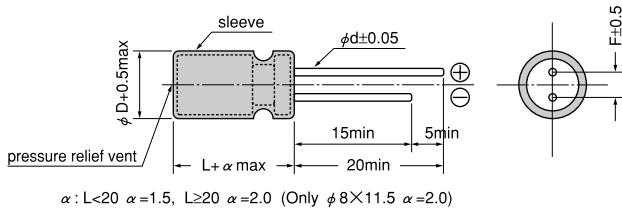
Aluminum Electrolytic Capacitors

- 105°C, 8,000 to 10,000hrs.
- Do not clean the capacitors using solvent.

## 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)	—	-40 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	
		When rated capacitance exceeds 1,000 μF, add 0.02 to the value above for each 1,000 μF increase.					
Leakage current (LC)	μA/after 2minutes (max)	0.03CV					
Impedance ratio at low temperature	Based the value at 120Hz, +20°C	-25°C Z/Z <sub>20°C</sub>	2	2	2	2	2
		-40°C Z/Z <sub>20°C</sub>	3	3	3	3	3
Endurance	105°C rated voltage applied (With the rated ripple current)	Test	φ8 : 8,000hrs., φ10 to φ16 : 10,000hrs.				
		ΔC/C	Within ±25% of the initial value (6.3V, 10V : ±30%)				
		tan δ	≤ 2 times the initial specified value				
		LC	≤ The initial specified value				

## Dimensions



(Unit : mm)

φD	8	10	12.5	16
F	3.5	5.0	5.0	7.5
φd	0.6	0.6	0.6★	0.8

★φ12.5×30:φd=0.8

## Size List, Impedance, Rated Ripple Current

V Items Case size φDxL(mm)	6.3			10		
	Capacitance (μF)	Impedance(Ωmax) (20°C/100kHz)	Rated ripple current(mArms) (105°C/100kHz)	Capacitance (μF)	Impedance(Ωmax) (20°C/100kHz)	Rated ripple current(mArms) (105°C/100kHz)
8×11.5	820	0.059	945	680	0.059	945
8×15	★1 1200	0.046	1250	★1 1000	0.046	1250
8×20	1500	0.031	1500	★1 1500	0.031	1500
10×12.5	1200	0.043	1330	1000	0.043	1330
10×16	1800	0.030	1760	1500	0.030	1760
10×20	2200	0.021	1960	1800	0.021	1960
10×22	2700	0.020	2250	2200	0.020	2250
12.5×20	3900	0.019	2480	3300	0.019	2480
12.5×25	4700	0.016	2900	3900	0.016	2900
12.5×30	5600	0.014	3450	★1 4700	0.014	3450
16×21	6800	0.018	3250	4700	0.018	3250
16×25	8200	0.014	3630	6800	0.014	3630

★1 WAL series

■ Size List, Impedance, Rated Ripple Current

V Items Case size φDxL(mm)	16			25		
	Capacitance (μF)	Impedance(Ωmax) (20°C/100kHz)	Rated ripple current(mArms) (105°C/100kHz)	Capacitance (μF)	Impedance(Ωmax) (20°C/100kHz)	Rated ripple current(mArms) (105°C/100kHz)
8×11.5	470	0.059	945	330	0.059	945
8×15	★1 680	0.046	1250	390	0.046	1250
8×20	★1 1000	0.031	1500	560	0.031	1500
10×12.5	680	0.043	1330	470	0.043	1330
10×16	1000	0.030	1760	680	0.030	1760
10×20	1500	0.021	1960	820	0.021	1960
10×22	1800	0.020	2250	1000	0.020	2250
12.5×20	2200	0.019	2480	1500	0.019	2480
12.5×25	2700	0.016	2900	1800	0.016	2900
12.5×30	★1 3300	0.014	3450	★1 2200	0.014	3450
16×21	3300	0.018	3250	2200	0.018	3250
16×25	4700	0.014	3630	3300	0.014	3630

V Items Case size φDxL(mm)	35		
	Capacitance (μF)	Impedance(Ωmax) (20°C/100kHz)	Rated ripple current(mArms) (105°C/100kHz)
8×11.5	220	0.059	945
8×15	270	0.046	1250
8×20	390	0.031	1500
10×12.5	330	0.043	1330
10×16	470	0.030	1760
10×20	560	0.021	1960
10×22	680	0.020	2250
12.5×20	1000	0.019	2480
12.5×25	1200	0.016	2900
12.5×30	★1 1500	0.014	3450
16×21	1500	0.018	3250
16×25	2200	0.014	3630

Please refer to page 15 for the ripple current frequency coefficient.  
★1 WAL series

■ Model No.

