

ME-WL Series

Small, Long Life

Low Impedance



- 105°C 4,000 to 5,000hours
- Non solvent proof

■ Specifications

Items	Condition	Specifications								
Rated voltage (V)	—	6.3	10	16	25	35	50	63	100	
Surge voltage (V)	Room temperature	8.0	13	20	32	44	63	79	125	
Category temperature range (°C)	—	-40 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	0.10	0.10	0.10	
Leakage current(LC)	μA/after 2minutes (max.), 20°C	The greater value of either 0.01CV or 3								
Impedance ratio at low temperature	Based on the value at 120Hz, +20°C	-25°C Z/Z _{20°C}	4	3	2	2	2	2	2	
		-40°C Z/Z _{20°C}	8	6	4	3	3	3	3	
Endurance	105°C rated voltage applied (With the rated ripple current)	Test	4,000hours							
		△C/C	Within ±25% of the initial value							
		tanδ	Not more than 200% of the specified value							
		LC	Not more than the specified value							
Shelf Life	105°C, 1,000hours(with no voltage load)	Shall meet the endurance spec above after voltage treatment at 20deg.C per JIS C 5101-4 4.1.								

ME-SZ

ME-SWG

ME-LS

ME-CZ

ME-CA

ME-CX

ME-AX

ME-WX

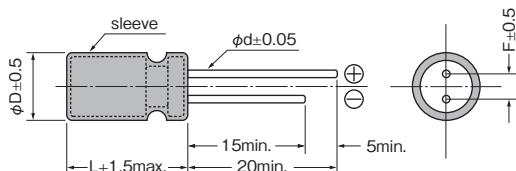
ME-WA

ME-WL

ME-WG

ME-FX

■ Dimensions



(Unit : mm)		
ϕD	5	6.3
F	2.0	2.5
ϕd	0.5	0.5

■ Size, Impedance, Rated Ripple Current

$\mu F \backslash V$	6.3	10	16	25		
47					5x11	0.58 210
56					5x11	0.69 210
100		5x11 0.58 210	5x11 0.69 210	5x11 0.69 210	6.3x11 0.26 340	6.3x11 0.26 340
120					6.3x11 0.26 340	
150	5x11 0.69 210	5x11 0.69 210	5x11 0.69 210			
220		6.3x11 0.26 340	6.3x11 0.26 340	6.3x11 0.26 340		
330	6.3x11 0.26 340	6.3x11 0.26 340	6.3x11 0.26 340			
470	6.3x11 0.26 340					

$\mu F \backslash V$	35	50	63	100		
4.7		5x11 1.90 88				
6.8					5x11 1.40 125	
10		5x11 1.50 100				
15			5x11 1.06 165	6.3x11 0.57 205		
18			5x11 1.06 165			
22		5x11 0.84 180	6.3x11 0.42 265			
27		5x11 0.84 180				
33	5x11 0.69 210		6.3x11 0.42 265			
47	5x11 0.69 210	6.3x11 0.40 250				
56	6.3x11 0.26 340	6.3x11 0.36 295				
100	6.3x11 0.26 340					

Please refer to page 16 for
ripple current frequency coefficients.

Impedance(Ω)
max. at 100kHz, 20°C
Case size:φDxL(mm)

Rated ripple current
mA rms(100kHz, 105°C)

■ Part number

