

# ME-WG Series

Super Low ESR, Small

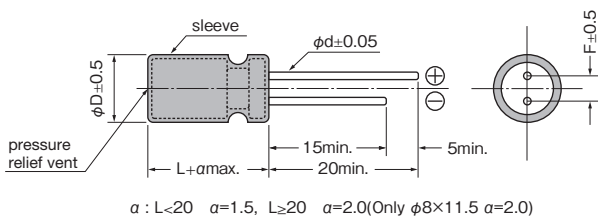


- 105°C 2,000 to 4,000hours
- Non solvent proof

## Specifications

Items	Condition	Specifications				
Rated voltage (V)	—	6.3	10	16	25	
Surge voltage (V)	Room temperature	8.0	13	20	32	
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	
		Exceeding 1,000µF, +0.02 every 1,000µF				
Leakage current (LC)	µA/after 2minutes (max.), 20°C	0.03CV				
Impedance ratio at low temperature	Based on the value at 120Hz, +20°C	-25°C Z/Z <sub>20°C</sub>	2	2	2	2
		-40°C Z/Z <sub>20°C</sub>	3	3	3	3
Endurance	105°C rated voltage applied (With the rated ripple current)	Test	φ8×11.5, φ10×12.5, φ10×16 : 2,000hours, φ10×20, φ10×23 : 4,000hours			
		△C/C	Within ±25% of the initial value			
		tanδ	Less than 200% of the specified value			
		LC	Less than the specified value			

## Dimensions



(Unit : mm)

φD	8	10
F	3.5	5.0
φd	0.6	0.6

## Size, ESR, Rated Ripple Current

V Items µF	6.3			10			16			25		
	Case size φD×L (mm)	ESR (Ωmax.) 20°C/100kHz	Ripple current (mA <sub>rms</sub> ) 105°C/100kHz	Case size φD×L (mm)	ESR (Ωmax.) 20°C/100kHz	Ripple current (mA <sub>rms</sub> ) 105°C/100kHz	Case size φD×L (mm)	ESR (Ωmax.) 20°C/100kHz	Ripple current (mA <sub>rms</sub> ) 105°C/100kHz	Case size φD×L (mm)	ESR (Ωmax.) 20°C/100kHz	Ripple current (mA <sub>rms</sub> ) 105°C/100kHz
220										8×11.5	0.030	1110
330							8×11.5	0.030	1140	8×11.5	0.032	1080
470				8×11.5	0.030	1140	8×11.5	0.036	1140	10×12.5 ★2	0.025	1440
680				8×11.5	0.036	1140	10×12.5	0.026	1540	10×16 ★2	0.027	1390
820	8×11.5	0.036	1140							10×16	0.020	1920
1000	8×11.5	0.030	1140	10×12.5	0.026	1540	10×16	0.019	2000	10×16	0.022	1830
1500	10×12.5	0.026	1540	10×16	0.019	2000	10×20	0.013	2550	10×20 ★2	0.016	2180
1800	10×16 ★2	0.018	2000									
2200	10×16	0.019	2000	10×20	0.013	2550	10×23	0.012	2800			
3300	10×20	0.013	2550	10×23	0.012	2800						
	10×23	0.012	2800									

Please refer to page 14 for ripple current frequency coefficients.

★1 WGL ★2 WGV

## Part number

