

# ME-WG Series

Super Low ESR, Small

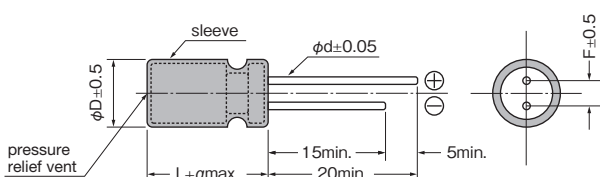


- 105°C 2,000 to 4,000hours
- Non solvent proof

## 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.)	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, φ8×16, φ10×12.5, φ10×16 : 2,000hours, φ8×20 : 3,000hours, φ10×20, φ10×23 : 4,000hours			
		ΔC/C	Within ±25% of the initial value			
		tanδ	Less than 200% of the specified value			
		LC	Less than the specified value			

## Dimensions


 $\alpha : L < 20 \quad \alpha = 1.5, L \geq 20 \quad \alpha = 2.0$  (Only φ8×11.5 α=2.0)

(Unit : mm)

φD	8	10
F	3.5	5.0
φd	0.6	0.6

## Size, ESR, Rated Ripple Current

Items V μF	6.3			10			16			25		
	Case size φD×L (mm)	ESR (Ωmax.) 20°C/100kHz	Ripple current (mA rms) 105°C/100kHz	Case size φD×L (mm)	ESR (Ωmax.) 20°C/100kHz	Ripple current (mA rms) 105°C/100kHz	Case size φD×L (mm)	ESR (Ωmax.) 20°C/100kHz	Ripple current (mA rms) 105°C/100kHz	Case size φD×L (mm)	ESR (Ωmax.) 20°C/100kHz	Ripple current (mA rms) 105°C/100kHz
220										8×11.5	0.030	1110
330							8×11.5	0.030	1140	8×11.5	0.032	1080
										10×12.5★3	0.025	1440
470				8×11.5	0.030	1140	8×11.5	0.036	1140	8×20★1	0.018	1820
										10×12.5	0.027	1390
										10×16★3	0.020	1920
680				8×11.5	0.036	1140	8×16★1	0.028	1490	10×16	0.022	1830
820	8×11.5	0.036	1140				10×12.5	0.026	1540	10×20★3	0.016	2180
1000	8×11.5	0.030	1140	8×16★1	0.028	1490	8×20★1	0.019	1870	10×23★1	0.016	2180
				10×12.5	0.026	1540	10×16	0.019	2000			
1200	8×16	0.028	1490	8×20★1	0.019	1870						
	8×20★1	0.019	1870	8×20★1	0.019	1870	10×20	0.013	2550			
1500	8×20★2	0.016	1950	10×16	0.019	2000						
	10×12.5	0.026	1540									
	10×16★3	0.018	2000									
1800	8×20★2	0.016	1950	10×20	0.013	2550	10×23	0.012	2800			
	10×16	0.019	2000									
2200	10×20	0.013	2550	10×23	0.012	2800						
3300	10×23	0.012	2800									

Please refer to page 14 for ripple current frequency coefficients.

★1 WGL ★2 WGL2 ★3 WGV

## Part number

