

ME-WG Series

Super Low ESR, Small

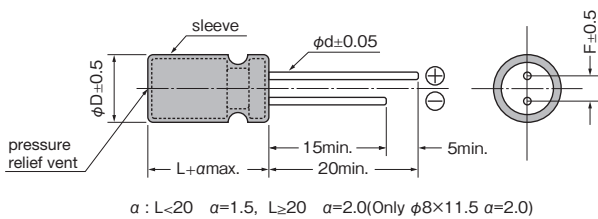


- 105°C 2,000 to 4,000hours
- Non solvent proof

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 _{20°C}	2	2	2	2
		-40°C Z/Z _{20°C}	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, 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



(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 _{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
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	8×16 ★1	0.028	1490	10×16 ★2	0.020	1920
820	8×11.5	0.036	1140				10×12.5	0.026	1540	10×20 ★2	0.016	2180
1000	8×11.5	0.030	1140	8×16 ★1	0.028	1490	10×16	0.019	2000	10×23 ★1	0.016	2180
1200	8×16	0.028	1490	10×12.5	0.026	1540						
1500	10×16	0.019	2000	10×16	0.019	2000	10×20	0.013	2550			
1800	10×12.5	0.026	1540									
2200	10×16 ★2	0.018	2000									
1800	10×16	0.019	2000	10×20	0.013	2550	10×23	0.012	2800			
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 WGV

Part number

