

ME-WG Series

Super Low ESR, Miniature

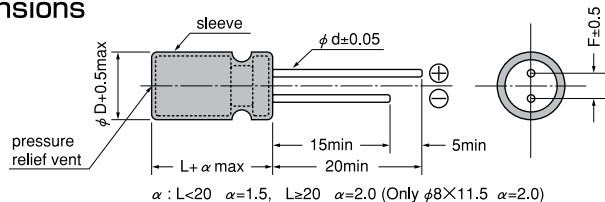


- 105°C, 2,000 to 4,000hrs.
- Do not clean the capacitors using solvent.

■ 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 (tanδ)	120Hz/20°C	0.22	0.19	0.16	0.14
		When rated capacitance exceeds 1,000μF, add 0.02 to the value above for each 1,000μF 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 _{20°C}	2	2	2
		-40°C Z/Z _{20°C}	3	3	3
		Test	φ8×11.5, φ8×16, φ10×12.5, φ10×16: 2,000hrs., φ8×20: 3,000hrs., φ10×20, φ10×23: 4,000hrs.		
		ΔC/C	Within ±25% of the initial value		
		tan δ	≤ 2 times the initial specified value		
Endurance	105°C rated voltage applied (With the rated ripple current)	LC	≤ The initial specified value		

■ Dimensions



(Unit : mm)

φD	8	10
F	3.5	5.0
φd	0.6	0.6

■ Size List, ESR, Rated Ripple Current

Items μF	6.3			10			16			25		
	Case size φD×L (mm)	ESR (mΩmax) 20°C/100kHz	Ripple current (mA rms) 105°C/100kHz	Case size φD×L (mm)	ESR (mΩmax) 20°C/100kHz	Ripple current (mA rms) 105°C/100kHz	Case size φD×L (mm)	ESR (mΩmax) 20°C/100kHz	Ripple current (mA rms) 105°C/100kHz	Case size φD×L (mm)	ESR (mΩmax) 20°C/100kHz	Ripple current (mA rms) 105°C/100kHz
220							8×11.5	30	1140	8×11.5	30	1110
330										10×12.5 ★3	25	1440
470				8×11.5	30	1140	8×11.5	36	1140	8×20 ★1	18	1820
										10×12.5	27	1390
680				8×11.5	36	1140	8×16 ★1	28	1490	10×16 ★3	20	1920
820	8×11.5	36	1140				10×12.5	26	1540	10×20 ★3	16	2180
1000	8×11.5	30	1140	8×16 ★1	28	1490	8×20 ★1	19	1870	10×23 ★1	16	2180
				10×12.5	26	1540	10×16	19	2000			
1200	8×16	28	1490	8×20 ★1	19	1870						
	8×20 ★1	19	1870	8×20 ★1	19	1870	10×20	13	2550			
	8×20 ★2	16	1950	10×16	19	2000						
1500	10×12.5	26	1540									
	10×16 ★3	18	2000									
1800	8×20 ★2	16	1950	10×20	13	2550	10×23	12	2800			
	10×16	19	2000									
2200	10×20	13	2550	10×23	12	2800						
3300	10×23	12	2800									

Please refer to page 15 for the ripple current frequency coefficient.

★1 WGL ★2 WGL2 ★3 WGV

■ Model No.

WG	10 ME 1000 WG
Series code	WG
Rated capacitance code	10
Type code	ME
Rated voltage	1000

WGL	6 ME 1500 WGL
Series code	WGL
Rated capacitance code	6
Type code	ME
Rated voltage	1500

WGL2	6 ME 1500 WGL2
Series code	WGL2
Rated capacitance code	6
Type code	ME
Rated voltage	1500

WGV	25 ME 470 WGV
Series code	WGV
Rated capacitance code	25
Type code	ME
Rated voltage	470