

# ME-WG Series

Super Low ESR, Miniature

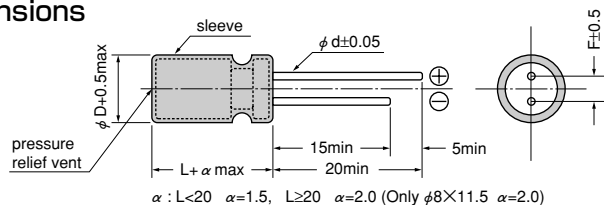


- 105°C, 2,000 to 4,000hrs.
- Do not clean the capacitors using solvent.

## 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 <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: 2,000hrs., 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			
		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

V Items	6.3			10			16			25		
	Case size φD×L (mm)	ESR (mΩmax) 20°C/100kHz	Ripple current (mA <sub>rms</sub> ) 105°C/100kHz	Case size φD×L (mm)	ESR (mΩmax) 20°C/100kHz	Ripple current (mA <sub>rms</sub> ) 105°C/100kHz	Case size φD×L (mm)	ESR (mΩmax) 20°C/100kHz	Ripple current (mA <sub>rms</sub> ) 105°C/100kHz	Case size φD×L (mm)	ESR (mΩmax) 20°C/100kHz	Ripple current (mA <sub>rms</sub> ) 105°C/100kHz
220										8×11.5	30	1110
330							8×11.5	30	1140	8×11.5	32	1080
										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
										10×16 ★3	20	1920
680				8×11.5	36	1140	8×16 ★1	28	1490	10×16	22	1830
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						
1500	8×20 ★1	19	1870	8×20 ★1	19	1870	10×20	13	2550			
	8×20 ★2	16	1950	10×16	19	2000						
	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 series ★2 WGL2 series ★3 WGV series

## Model No.

