

ME-WG Series

Super Low ESR, Small



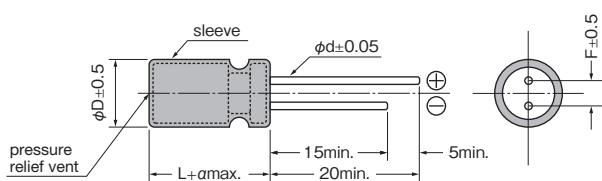
- 105°C 2,000 to 4,000hours
- Non solvent proof

ME-WG
↑ Low ESR
ME-WX(P.88)

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 _{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, 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



a : L < 20 a = 1.5, L ≥ 20 a = 2.0 (Only φ8×11.5 a = 2.0)

(Unit : mm)

φD	8	10
F	3.5	5.0
φd	0.6	0.6

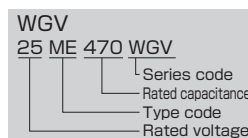
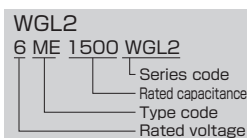
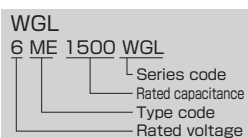
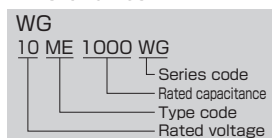
Size, ESR, Rated Ripple Current

Items V μF	6.3			10			16			25		
	Case size φD×L (mm)	ESR (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	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						
	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 14 for ripple current frequency coefficients.

★1 WGL ★2 WGL2 ★3 WGV

Part number


 Radial Lead Type
Aluminum Electrolytic Capacitors

ME-SWB

ME-UZ-SZ

ME-UAX-SAX

ME-SWG

ME-HC

ME-LS

ME-CZ

ME-CA

ME-CX

ME-AX

ME-WX

ME-WA

ME-WL

ME-WG

ME-FX

ME-PX

ME-HPC-HPD

ME-FC-FD

ME-FH

ME-SWN

ME-HWN