

ME-WG Series

Super Low ESR, Small



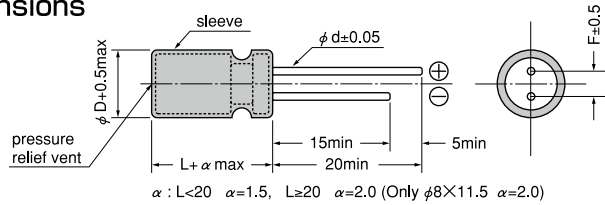
- 105°C, 2,000 to 4,000hours
- Non solvent proof

ME-WG
↑ Low ESR
ME-WX (P.82)

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)	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 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			
		tan δ	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

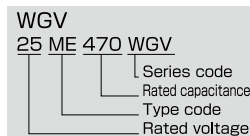
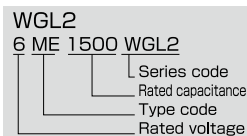
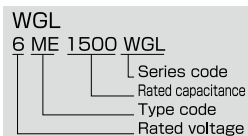
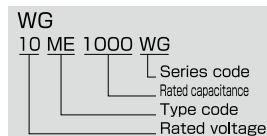
Size, ESR, Rated Ripple Current

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
							10×12.5	26	1540	10×20 ★3	16	2180
820	8×11.5	36	1140									
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 ripple current frequency coefficients.

★1 WGL ★2 WGL2 ★3 WGV

Part number



- ME-SWB
- ME-UZ-SZ
- ME-UAX-SAX
- ME-SWG
- ME-HC
- ME-CZ
- ME-CA
- ME-CX
- ME-AX
- ME-WX
- ME-WA
- ME-WL
- ME-WG
- ME-LS
- ME-FX
- ME-PX
- ME-HPC-HPD
- ME-FC-FD
- ME-FH
- ME-SWN
- ME-HWN