

MV-WG Series Miniature Aluminum Electrolytic Capacitors

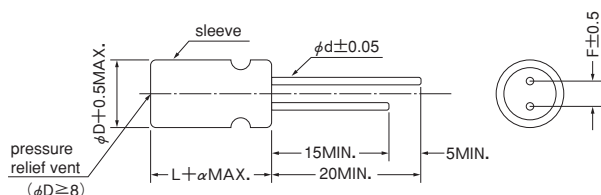
Low impedance at 100kHz.
Enabled high ripple current by a reduction of ESR at high frequency range.



Specifications

Items		Specifications		
Rated voltage (V)		6.3	10	16
Operating temperature (°C)		-40 to +105		
Capacitance tolerance (%)		±20		
Tangent of loss angle (tan δ) (MAX.)		0.22	0.19	0.16
		0.02 to be added to the above value every timenominal capacitance exceeds 1000 μF.		
Leakage current(L.C.)(μA/after 2min.)(MAX.)		0.03CV		
Impedance (120Hz) ratio at low temperature (MAX.)	Z _{-25°C} /Z _{20°C}	2	2	2
	Z _{-40°C} /Z _{20°C}	3	3	3
High-temperature load rated voltage applied	Test (hrs.)	105°C 2000hrs. (φ 8×20 : 3000hrs. φ 10×20、φ 10×23 : 4000hrs.)		
	ΔC/C	Within ±25% of the initial value		
	tan δ	≤ Twice the initial standard		
	L.C.	≤ The initial standard		
Other characteristics		Conform to IEC 60384-4		

Dimensions



(Unit : mm)

φ D	8	10
F	3.5	5.0
φ d	0.6	0.6

α : L < 20 α = 1.5 L ≥ 20 α = 2.0 (Only φ 8×11.5 α = 2.0)

Size List, Impedance, Maximum Permissible Ripple Current

V μF	6.3			10			16		
	Case size φ D×L (mm)	ESR (mΩ MAX.) 20°C/100kHz	Ripple current (mA rms) 105°C/100kHz	Case size φ D×L (mm)	ESR (mΩ MAX.) 20°C/100kHz	Ripple current (mA rms) 105°C/100kHz	Case size φ D×L (mm)	ESR (mΩ MAX.) 20°C/100kHz	Ripple current (mA rms) 105°C/100kHz
470							8×11.5	36	1140
680				8×11.5	36	1140	8×16※1	28	1490
							10×12.5	26	1540
820	8×11.5	36	1140						
1000				8×16※1	28	1490	8×20※1	19	1870
				10×12.5	26	1540	10×16	19	2000
1200	8×16	28	1490						
1500	10×12.5	26	1540	8×20※1	19	1870	10×20	13	2550
	8×20※1	19	1870	10×16	19	2000			
	8×20※2	16	1950						
1800	10×16	19	2000	10×20	13	2550	10×23	12	2800
2200	10×20	13	2550	10×23	12	2800			
3300	10×23	12	2800						

Model No. 10MV1000WGL

10MV1000WG

※1 ; Series symbol is WXL

Rated voltage — Capacitance symbol

Rated voltage — Capacitance symbol

※2 ; Series symbol is WXL2