

Aluminum Electrolytic Capacitors
Super Low ESR

MV-WG Series

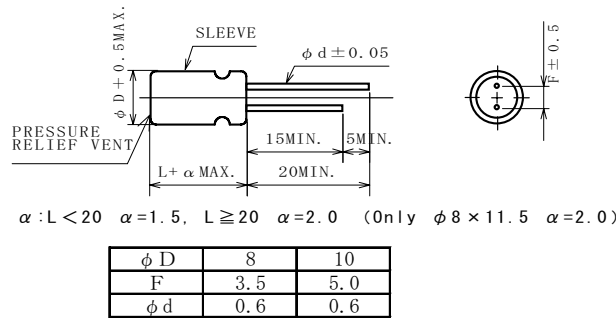
■ Features

- Super Low ESR and high ripple current at high frequency.
- MV-WG series reduced high-frequency ESR to 40~50% as compared with MV-WX series.

■ Specifications

Items		Specifications		
Operating temperature range (°C)		-40 ~ +105		
Rated voltage (V)		6.3	10	16
Surge voltage (V)		8	13	20
Capacitance tolerance (120Hz/20°C)		±20%		
Tangent of loss angle (tan δ) (120Hz/20°C) MAX.		0.22	0.19	0.16
		For nominal capacitance of more than 1000 μF add 0.02 every 1000 μF to the above value.		
Leakage current (L.C.) (μ A/after 2 min.) (less than)		0.03CV		
Impedance ratio at low temp. (less than) 120Hz	Z -25°C/Z +20°C	2		
	Z -40°C/Z +20°C	3		
High-temperature load 105°C rated voltage applied	Test	L ≤ 16; 2000hrs., φ 8 × 20; 3000hrs., φ 10 × 20, φ 10 × 23; 4000hrs.		
	ΔC/C	Within ±25% of the initial value		
	tan δ	Less than twice the initial standard		
	L.C.	Less than the initial standard		
Other characteristics		Satisfies IEC 60384-4		

■ Dimensions(mm)



■ Size List : φ D × L (mm)

ESR [Ω MAX. at 100kHz, 20°C]

Maximum permissible ripple current [mA r.m.s. at 100kHz, 105°C]; R

NOMINAL CAPACITANCE (μF)

R. V. (V)	ESR (Ω)	R (mA)	6.3	10	16
φ D × L (mm)					
8 × 11.5	0.036	1140	820	680	470
	0.030	1140	1000	—	—
8 × 16	0.028	1490	1200	1000 *1	680 *1
	0.019	1870	1500 *1	1500 *1	1000 *1
8 × 20	0.016	1870	1500 *2	—	—
	0.026	1540	1500	1000	680
10 × 12.5	0.019	2000	1800	1500	1000
10 × 16	0.013	2550	2200	1800	1500
10 × 20	0.012	2800	3300	2200	1800
10 × 23					

*1 MV-WGL Series

*2 MV-WGL2 Series