

ME-WL Series

105°C, Miniature, Low Impedance

Long Life

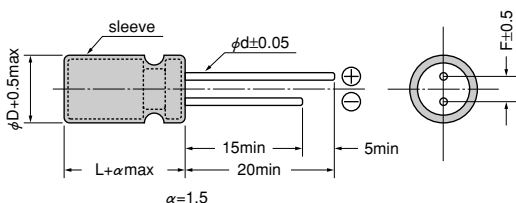


- 105°C, 4,000 to 5,000hrs.
- Do not clean the capacitors using solvent.

Specifications

Items	Condition	Specifications								
Rated voltage (V)	—	6.3	10	16	25	35	50	63		
Surge voltage (V)	Room temperature	8.0	13	20	32	44	63	79		
Category temperature range (°C)	—	-40 to +105								
Capacitance tolerance (%)	120Hz/20°C	M: ±20								
Dissipation Factor (tan δ)	120Hz/20°C	0.22	0.19	0.16	0.14	0.12	0.10	0.10		
Leakage current (LC)	μA/after 2minutes (max)	The greater value of either 0.01CV or 3								
Impedance ratio at low temperature	Based the value at 120Hz, +20°C	-25°C Z/Z _{20°C}	4	3	2	2	2	2	2	
		-40°C Z/Z _{20°C}	8	6	4	3	3	3	3	
Endurance	105°C, rated voltage applied (With the rated ripple current)	test	4,000hrs.		5,000hrs.					
		ΔC/C	Within ±25% of the initial value							
		tan δ	≤ 2 times the initial specified value							
		LC	≤ The initial specified value							

Dimensions



A pressure relief vent is attached to products φD=6.3

(Unit : mm)

φD	5	6.3
F	2.0	2.5
φd	0.5	0.5

Size List, Impedance, Rated Ripple Current

μF \ V	6.3	10	16	25	35	50	63
1.0						5×11 4.80 30	
2.2						5×11 3.00 43	
3.3						5×11 2.64 53	
4.7						5×11 2.28 88	
10						5×11 1.80 100	
15							5×11 1.06 165
18							5×11 1.06 165
22						5×11 0.84 180	6.3×11 0.42 265
27						5×11 0.84 180	
33					5×11 0.69 210		6.3×11 0.42 265
47				5×11 0.69 210	5×11 0.69 210	6.3×11 0.40 250	
56			5×11 0.69 210	5×11 0.69 210	6.3×11 0.26 340	6.3×11 0.36 295	
100		5×11 0.69 210	5×11 0.69 210	6.3×11 0.26 340	6.3×11 0.26 340		
120			6.3×11 0.26 340				
150	5×11 0.69 210	5×11 0.69 210					
220		6.3×11 0.26 340					
330	6.3×11 0.26 340						

Please refer to page 15 for the ripple current frequency coefficient.

Rated ripple current
mA rms (100kHz, 105°C)

Case size: φD×L (mm)
Impedance (Ω)
max at 100kHz, 20°C

Model No.

