

ME-WL Series

105°C, Small, Low Impedance

Long Life



- 105°C 4,000 to 5,000hours
- Non solvent proof

ME-WL

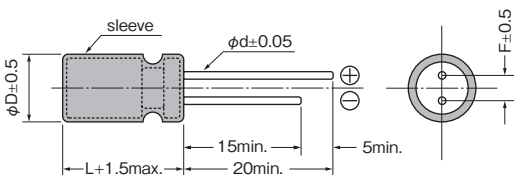
↑ Long Life

ME-WX(P.88)

Specifications

Items	Condition	Specifications										
Rated voltage (V)	—	6.3	10	16	25	35	50	63	100			
Surge voltage (V)	Room temperature	8.0	13	20	32	44	63	79	125			
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	0.12	0.10	0.10	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 on the value at 120Hz, +20°C	-25°C Z/Z _{20°C}	4	3	2	2	2	2	2	2		
		-40°C Z/Z _{20°C}	8	6	4	3	3	3	3	3		
Endurance	105°C rated voltage applied (With the rated ripple current)	Test	4,000hours		5,000hours							
		ΔC/C	Within ±25% of the initial value									
		tanδ	Less than 200% of the specified value									
		LC	Less than the specified value									

Dimensions



A pressure relief vent is provided for φD=6.3 or bigger

(Unit : mm)

φD	5	6.3
F	2.0	2.5
φd	0.5	0.5

Size, Impedance, Rated Ripple Current

μF	V	6.3			10			16			25		
		47										5×11	0.58
56								5×11	0.69	210			
100					5×11	0.58	210	5×11	0.69	210	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	6.3×11	0.26	340			
330		6.3×11	0.26	340	6.3×11	0.26	340						
470		6.3×11	0.26	340									

μF	V	35			50			63			100		
		2.2				5×11	2.50	43					
3.3					5×11	2.20	53						
4.7					5×11	1.90	88						
6.8											5×11	1.40	125
10					5×11	1.50	100						
15								5×11	1.06	165	6.3×11	0.57	205
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	6.3×11	0.40	250						
56		6.3×11	0.26	340	6.3×11	0.36	295						
100		6.3×11	0.26	340									

Please refer to page 14 for ripple current frequency coefficients.

 Impedance(Ω)
max. at 100kHz, 20°C
Case size:φDxL(mm)

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

Part number

