

ME-LS Series

105°C Long Life



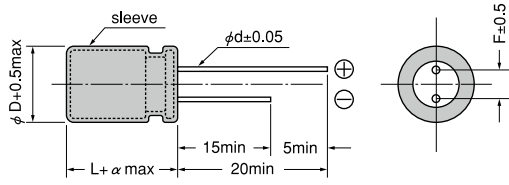
- 105°C, 3,000hours
- Solvent proof ($\phi 4$ to 6.3 : within 3 minutes, $\phi 8$: within 5 minutes)

ME-LS ← Long Life → ME-SZ (P.70)

Specifications

Items	Condition	Specifications						
Rated voltage (V)	—	6.3	10	16	25	35	50	
Surge voltage (V)	Room temperature	8.0	13	20	32	44	63	
Category temperature range (°C)	—	-40 to +105						
Capacitance tolerance (%)	120Hz/20°C	M : ± 20						
Dissipation Factor ($\tan \delta$)	$\tan \delta$ (max) 120Hz/20°C	0.30	0.28	0.24	0.18	0.16	0.14	
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}	5	4	3	2	2	2
		-40°C Z/Z _{20°C}	10	8	6	4	3	3
Endurance	105°C, 3,000hours rated voltage applied (With the rated ripple current)	$\Delta C/C$	Within $\pm 30\%$ of the initial value					
		$\tan \delta$	Less than 300% of the specified value					
		LC	Less than the specified value					

Dimensions



$\alpha : L \leq 7.5 \alpha = 1.0, L = 11.5 \alpha = 1.5$
A pressure relief vent is provided for $\phi 8 \times 11.5$

(Unit : mm)

ϕD	4	5	6.3	8
F	1.5	2.0	2.5	3.5
ϕd	0.45	0.45	0.45	0.60

Size, Impedance, Rated Ripple Current

μF	V	6.3	10	16	25	35	50
1.0							4x7 17.0 23
2.2							4x7 13.0 26
3.3							4x7 11.0 29
4.7						4x7 6.6 37	5x7 9.0 37
10				4x7 4.2 46	4x7 4.2 46	5x7 2.3 74	6.3x7 2.5 84
22	4x7 4.2 46			5x7 2.3 74	5x7 2.3 74	6.3x7 1.2 120	6.3x7.5 1.6 112
33			5x7 2.3 74		6.3x7 1.2 120	6.3x7.5 0.75 163	
47	5x7 2.3 74			6.3x7 1.2 120	6.3x7.5 0.75 163	6.3x7.5 0.75 163	
100	6.3x7 1.2 120			6.3x7.5 0.75 163			
150			6.3x7.5 0.75 163				
220	6.3x7.5 0.75 163				8x11.5 0.40 298	8x11.5 0.40 298	
330					8x11.5 0.40 298		
470				8x11.5 0.40 298			
1000	8x11.5 0.40 298						

Please refer to page 15 for ripple current frequency coefficients.

Case size: $\phi D \times L$ (mm)
Rated ripple current
mA Arms (100kHz, 105°C)
Impedance (Ω)
max at 100kHz, 20°C

Part number

