

# ME-LS Series

105°C

Long Life

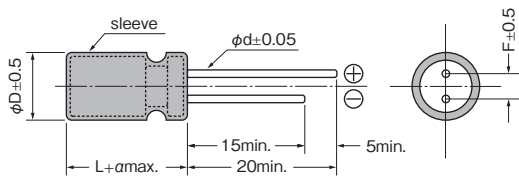


- 105°C 3,000hours
- Solvent proof ( $\phi 4$  to 6.3 : within 3 minutes,  $\phi 8$  : within 5 minutes)

## 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 : $\pm 20$						
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)	$\mu A$ /after 2minutes (max.), 20°C	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 <sub>20°C</sub>	5	4	3	2	2	2
		-40°C Z/Z <sub>20°C</sub>	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


 $\alpha : L \leq 7.5 \quad \alpha = 1.0, L = 11.5 \quad \alpha = 1.5$ 

 A pressure relief vent is provided for  $\phi 8 \times 11.5$ 

(Unit : mm)

$\phi D$	4	5	6.3	8
F	1.5	2.0	2.5	3.5
$\phi d$	0.45	0.45	0.45	0.60

## Size, Impedance, Rated Ripple Current

$\mu F$	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 14 for ripple current frequency coefficients.

 Case size:  $\phi D \times L$  (mm)

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

 Impedance ( $\Omega$ )  
max. at 100kHz, 20°C

## Part number

