

RoHS Compliant ALUMINIUM ELECTROLYTIC CAPACITOR

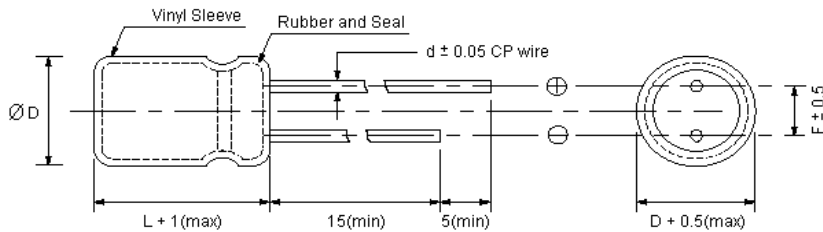
LS Series

■ **FEATURES**

- ◆ Low leakage current with 7mm height
- ◆ Load life of 1000 hours at 85°C



■ **OUTLINE**



mm				
D	4	5	6.3	8
F	1.5	2.0	2.5	3.5
d	0.45		0.50	

■ **SPECIFICATIONS**

Items	Characteristics							
Capacitance Tolerance (120Hz, 25°C)	± 20% (M)							
Rated Working Voltage Range	6.3 ~ 50Vdc							
Operation Temperature	-40°C ~ +85°C							
Leakage Current (25°C)	(After 2 minutes applying the working voltage)							
	$I \leq 0.002CV$ or 4 (μA)							
	◆ I : Leakage Current (μA)		◆ C : Rated Capacitance (μF)			◆ V : Working Voltage (V)		
Surge Voltage (25°C)	W.V.	6.3	10	16	25	35	50	
	S.V.	8	13	20	32	44	63	
Dissipation Factor (120Hz, 25°C)	W.V.	6.3	10	16	25	35	50	
	$\tan \delta$	0.24	0.20	0.17	0.15	0.12	0.12	
Temperature Characteristics	W.V.	6.3	10	16	25	35	50	
	- 25°C / + 25°C	4	3	2	2	2	2	
	- 40°C / + 25°C	10	8	6	4	3	3	
	◆ Impedance ratio at 120Hz							
Load Test	After 1000 hours application of WV at +85°C, the capacitor shall meet the following limits:							
	Capacitance Change	$\leq \pm 20\%$ of initial value						
	$\tan \delta$	$\leq 200\%$ of initial specified value						
	Leakage Current	\leq initial specified value						
Shelf Test	After 500 hours, no voltage applied at +85°C, the capacitor shall meet the following limits:							
	Capacitance Change	$\leq \pm 20\%$ of initial value						
	$\tan \delta$	$\leq 200\%$ of initial specified value						
	Leakage Current	$\leq 200\%$ of initial specified value						



■ **DIMENSIONS**

D x L (mm)

uF \ WV	D x L (mm)					
	6.3	10	16	25	35	50
0.1					]	4 x 7
0.22					]	4 x 7
0.33					]	4 x 7
0.47					]	4 x 7
1					]	4 x 7
2.2					]	4 x 7
3.3					]	4 x 7
4.7				]	4 x 7	5 x 7
10		]	4 x 7	5 x 7	5 x 7	6.3 x 7
22	4 x 7	5 x 7	5 x 7	6.3 x 7	6.3 x 7	8 x 7
33	4 x 7	5 x 7	5 x 7	6.3 x 7	8 x 7	
47	5 x 7	6.3 x 7	6.3 x 7	8 x 7		
100	6.3 x 7	8 x 7	8 x 7			

■ **PERMISSIBLE RIPPLE CURRENT**

mA (rms) at 120Hz 85°C

uF \ WV	mA (rms) at 120Hz 85°C					
	6.3	10	16	25	35	50
0.1					]	1
0.22					]	2
0.33					]	3
0.47					]	5
1					]	9
2.2					]	17
3.3					]	22
4.7				]	21	25
10		]	26	31	34	40
22	32	36	41	47	52	59
33	36	45	54	59	65	
47	49	56	63	72		
100	72	88	90			