

Aluminum Electrolytic Capacitor
Type ESL - 7mm Height 85°C Low Leakage Series

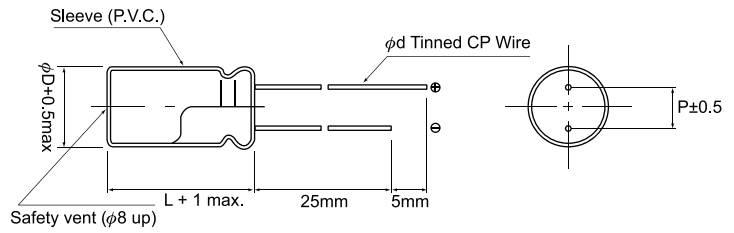
△ Features

- Low Leakage Current Series
- Highly reliable electrical performance
- Expected life (1,000 hours at 85°C)

△ Applications

- Excellent spacing with 7mm height

△ Specifications



Dø	4	5	6	8
P	1.5	2.0	2.5	3.5
ød	0.45	0.45	0.45	0.5

Item	Performance Characteristics						
Operating Temperature Range	-40 + 85°C						
Rated Voltage	6.3V ~ 50V						
Capacitance Range	0.1 ~ 220 µF						
Capacitance Tolerance	±20% (120Hz, 20°C)						
Leakage Current	I ≤ 0.01CV or 3 µA, whichever is greater after 2 minutes application of rated voltage.						
Dissipation Factor (120Hz, 20°C)	Rated voltage (V)	6.3	10	16	25	35	50
	Tan δ (max.)	0.24	0.20	0.16	0.14	0.12	0.10
Temperature Characteristics (120Hz)	Stability at Low Temperature						
	Rated voltage (V)	6.3	10	16	25	35	50
	Z (-25°C) / Z (20°C)	4	3	2	2	2	2
Load Life	Z (-40°C) / Z (20°C)	8	6	4	4	3	3
	After 1,000 hours application of WV at 85°C, capacitor shall meet the characteristics requirements.						
	Capacitance change	Within ±20% of initial value					
	Tan δ	200% or less of initial specified value					
Shelf Life	Leakage current	Initial specified value or less					
	After leaving capacitors under no load at 85°C for 1,000 hours and applying voltage according to JIS C5102 and C5141, they meet the specified value for load life characteristics listed above.						

△ Dimensions

		Dø x L (mm)										
WV(SV)	6.3 (10)	10 (13)	16 (20)	25 (32)	35 (44)	50 (63)						
Cap (µF)												
0.1											4 x 7	1
0.22											4 x 7	2.3
0.33											4 x 7	3.5
0.47											4 x 7	5
1											4 x 7	10
2.2											4 x 7	19
3.3											4 x 7	24
4.7								4 x 7	24		5 x 7	29
10				4 x 7	29	5 x 7	33	5 x 7	36	6.3 x 7	44	
22	4 x 7	34	5 x 7	38	5 x 7	44	6.3 x 7	51	6.3 x 7	57	8 x 7	65
33	5 x 7	42	5 x 7	47	6.3 x 7	57	6.3 x 7	63	8 x 7	72		
47	5 x 7	50	6.3 x 7	59	6.3 x 7	68	8 x 7	78				
100	6.3 x 7	77	8 x 7	96	8 x 7	107						
220	8 x 7	130									Case Size	Ripple

Ripple current (mA) at 85°C 120Hz

NOTE:

Part Numbering System	1	Series
(1) (2) (3) (4)	2	Capacitance
ESL 106 M 1H	3	Tolerance
	4	Working Voltage

Fixed Component Capacitors