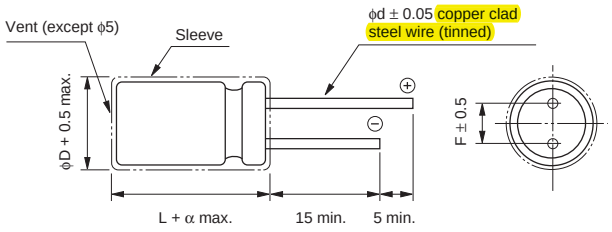
ELNA®

RJH Miniature Aluminum Electrolytic Capacitors

Series RJH High-Frequency, Extra Low-impedance Type

- Very high reliability, biodegradable..
- High-frequency, Extra Low-impedanceType.
- Guaranteed for 5000 hours at 105°C (2000 hours for φ5 to φ6.3)
  (3000 hours for φ8 to φ10)

Outline Drawing



Lead spacing and wire diameter

φD	5	6.3	8	10	12.5	16	18
F	2.0	2.5	3.5	5.0		7.5	
φd	0.5	0.5/0.6	0.6			0.8	
α	1.0		2.0				

Photo

Unit: mm

Specifications

No.	Item	Performance
1	Temperature range (°C)	–55 to +105
2	Leakage current (μA)	Less than 0.01 CV + 2 (after two minutes) C: Capacitance (μF), V: Voltage (V)
3	Capacitance tolerance (%)	±20 (20°C, 120 Hz)
4	Tangent of loss angle (tan δ)	Rated voltage (V): 6.3 / 10 / 16 / 25 / 35 / 50 / 63 / 100 tan δ: 0.22 / 0.19 / 0.16 / 0.14 / 0.12 / 0.10 / 0.08 / 0.07 (20°C, 120 Hz) 0.02 is added to each 1000μF increase over 1000μF
5	Stability at low temperature	Rated voltage (V): 6.3 / 10 / 16 / 25 / 35 / 50 / 63 / 100 Impedance ratio Z–25°C/Z+20°C: 2 Impedance ratio Z–55°C/Z+20°C: 3 (120 Hz)
6	Endurance (105°C) (Applied ripple current)	Test time: 5000 hrs (φ5 to φ6.3 2000 hrs, φ8 to φ10 is 3000 hrs) Leakage current: Initial specified value or less Change in capacitance: Within ±20% of initial value tan δ: 200% or less of initial specified value
7	Max. storage temp. (105°C)	Test time: 1000 hrs Leakage current: Initial specified value or less Change in capacitance: Within ±15% of initial value tan δ: 150% or less of initial specified value
8	Applicable Standards	JIS C 5102 and JIS C5141

Coefficients of Frequency for Ripple Current

Capacitance (μF) \ Frequency (Hz)	120	1 k	10 k	100 k
0.47 to 4.7	0.40	0.68	0.78	1
5.6 to 47	0.50	0.76	0.87	1
56 to 270	0.70	0.85	0.90	1
330 to 1000	0.80	0.93	0.98	1
1200 to 15000	0.90	0.95	1	1

Coefficients of Temperature for Ripple Current

Temperature (°C)	+70 or less	+85	+105
Coefficients	1.96	1.68	1

This catalog printed in U.S.A. on 1/98.