

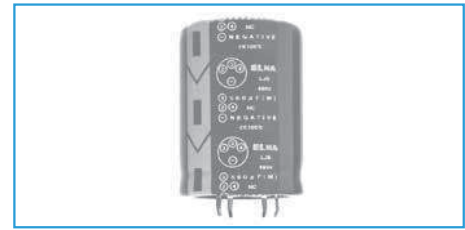
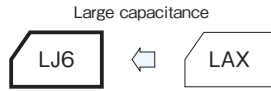
LJ6, LJ2 LARGE CAPACITANCE ALUMINUM ELECTROLYTIC CAPACITORS ELNA®

Large-Capacitance, Long-Life, High-Reliability Capacitors

GREEN CAP

105°C
5000hours

- Large-capacitance, Long-life, High-reliability capacitors.
- Guarantees 5000 hours at 105°C.



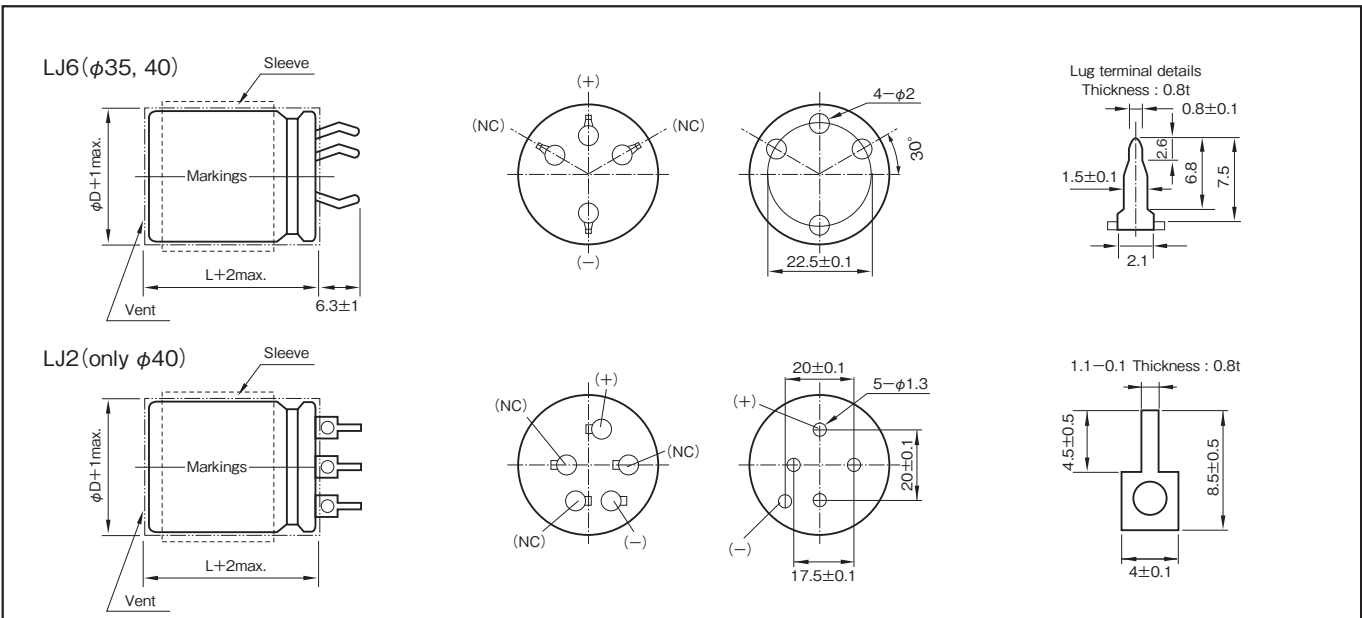
Marking color : White print on a black sleeve

Specifications

Item	Performance	
Category temperature range (°C)	-25~+105	
Tolerance at rated capacitance (%)	±20 (20°C, 120Hz)	
Leakage current (µA)	Less than 0.02CV or 5mA whichever is smaller (after 5 minutes) C : Rated capacitance (µF) ; V : Rated voltage (V) (20°C)	
Tangent of loss angle (tanδ)	Rated voltage (V)	200 to 500
	tanδ (max.)	0.15 (20°C, 120Hz)
Characteristics at high and low temperature	Percentage of capacitance change (%)	-25°C Within ±30% of the value at 20°C
	Impedance ratio (max.)	Z-25°C/Z+20°C 4 (120Hz)
Endurance (105°C) (Applied ripple current)	Test time	5000 hours
	Leakage current	The initial specified value or less
	Percentage of capacitance change	Within ±20% of initial value
	Tangent of the loss angle	200% or less of the initial specified value
Shelf life (105°C)	Test time	1000 hours
	Leakage current	The initial specified value or less
	Percentage of capacitance change	Within ±15% of initial value
	Tangent of the loss angle	150% or less of the initial specified value
Voltage application treatment		
Applicable standards	JIS C5101-1, -4 1998 (IEC 60384-1 1992, -4 1985)	

Outline Drawing

Unit : mm



Part numbering system (example : 350V1500µF)

LJ6	—	350	V	152	M	S6D	#	B
Series code		Rated voltage symbol		Rated capacitance symbol	Capacitance tolerance symbol	Casing symbol		Optional symbol

Coefficient of Frequency for Rated Ripple Current

Rated voltage (V)	Frequency (Hz)				
	50	120	1k	10k	30k
200 to 250	0.87	1	1.11	1.18	1.20
315 to 500	0.80	1	1.14	1.19	1.20

NOTE : Design, Specifications are subject to change without notice.
It is recommended that you shall obtain technical specifications from ELNA to ensure that the component is suitable for your use.

Standard Ratings

Rated voltage(V) Case φD×L(mm)		Item Casing symbol	200			250			315			350		
			Rated capacitance (μF)	ESR (Ω Max.)	Rated ripple current (Arms)	Rated capacitance (μF)	ESR (Ω Max.)	Rated ripple current (Arms)	Rated capacitance (μF)	ESR (Ω Max.)	Rated ripple current (Arms)	Rated capacitance (μF)	ESR (Ω Max.)	Rated ripple current (Arms)
35×60	S59		2200	0.090	4.05	1500	0.13	3.17	820	0.24	2.23	820	0.24	2.10
35×70	S5B		2700	0.073	4.77	1800	0.11	3.69	1000	0.20	2.62	1000	0.20	2.46
35×80	S5C		3300	0.060	5.56	2200	0.090	4.31	1200	0.17	3.03	1200	0.17	2.84
35×90	S5D		—	—	—	—	—	—	1500	0.13	3.55	1500	0.13	3.34
35×100	S5E		3900	0.051	6.64	2700	0.073	5.24	1800	0.11	4.07	1800	0.11	3.82
40×60	S69		2200	0.090	4.40	1800	0.11	3.77	1000	0.20	2.68	1000	0.20	2.50
40×70	S6B		2700	0.073	5.17	2200	0.090	4.43	1200	0.17	3.11	1200	0.17	2.90
40×80	S6C		3300	0.060	6.02	—	—	—	1500	0.13	3.67	1500	0.13	3.40
40×90	S6D		3900	0.051	7.00	2700	0.073	5.42	1800	0.11	4.21	1800	0.11	3.95

Rated voltage(V) Case φD×L(mm)		Item Casing symbol	400			450			500		
			Rated capacitance (μF)	ESR (Ω Max.)	Rated ripple current (Arms)	Rated capacitance (μF)	ESR (Ω Max.)	Rated ripple current (Arms)	Rated capacitance (μF)	ESR (Ω Max.)	Rated ripple current (Arms)
35×60	S59		820	0.24	2.49	560	0.36	2.16	390	0.51	1.65
35×70	S5B		1000	0.20	2.93	680	0.29	2.53	470	0.42	1.92
35×80	S5C		—	—	—	820	0.24	2.94	560	0.36	2.22
35×90	S5D		1200	0.17	3.55	1000	0.20	3.41	680	0.29	2.57
35×100	S5E		1500	0.13	4.15	1200	0.17	3.90	—	—	—
40×60	S69		—	—	—	680	0.29	2.45	560	0.36	2.15
40×70	S6B		1000	0.20	3.10	820	0.24	2.84	680	0.29	2.51
40×80	S6C		—	—	—	1000	0.20	3.33	—	—	—
40×90	S6D		1200	0.17	3.65	1200	0.17	3.65	820	0.24	3.05
40×100	S6E		1500	0.13	4.30	—	—	—	1000	0.20	3.51

(Note) Rated ripple current : 105°C , 120Hz ; ESR. : 20°C , 120Hz