Power Supply Smoothing Use,Standard Capacitors for Audio

GREEN CAP | For Audio

- Best suited as power supply filters for sound quality priority audio equipment.
- Printed circuit board terminal snap-in type.



Marking color : Gold print on a black sleeve

For audio

LAO ⇦ LA5

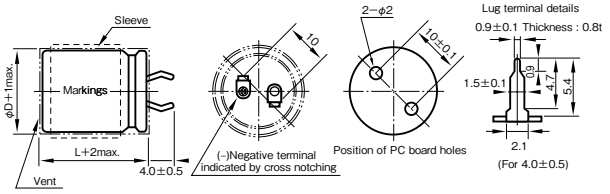
Specifications

Item	Performance
Category temperature range (℃)	−40 to +85
Tolerance at rated capacitance (%)	±20 (20℃,120Hz)
Leakage current (μA)	Less than 0.03CV or 5mA whichever is smaller (after 5 minutes) C : Rated capacitance (μF), V : Rated voltage (V) (20℃)
Tangent of loss angle (tanδ)	Rated voltage (V): 16 / 25 / 35 / 50 to 100 tanδ (max.): 0.40 / 0.40 / 0.35 / 0.30 (20℃,120Hz)
Characteristics at high and low temperature	Rated voltage (V): 16 to 35 / 50 to 100 Impedance ratio (max.) Z−25℃/Z+20℃: 4 / 3 Z−40℃/Z+20℃: 15 / 10 (120Hz)
Endurance (85℃) (Applied ripple current)	Test time: 1000 hours Leakage current: The initial specified value or less Percentage of capacitance change: Within ±20% of initial value Tangent of the loss angle: 150% or less of the initial specified value
Shelf life (85℃)	Test time : 1000 hours. Other have same as endurance. Voltage application treatment : According to JIS C5101 -1
Applicable standards	JIS C5101-1, -4 1998 (IEC 60384-1 1992, -4 1985)

Outline Drawing

Unit : mm

Printed circuit board snap-in type (Series LAO)



Coefficient of Frequency for Rated Ripple Current

Rated voltage (V) \ Frequency (Hz)	50	120	1k	10k	20k
16 to 50	0.95	1	1.10	1.15	1.15
63 to 100	0.95	1	1.16	1.30	1.33

Part numbering system (example : 63V6800μF)

LAO	—	63	V	682	M	S57	PX #	B
Series code		Rated voltage symbol		Rated capacitance symbol	Capacitance tolerance symbol	Casing symbol		Optional symbol

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

Case φD×L (mm)	Casing symbol	Rated voltage (V)	16		25		35		50		63		80		100	
		Item	Rated capacitance	Rated ripple current	Rated capacitance	Rated ripple current	Rated capacitance	Rated ripple current	Rated capacitance	Rated ripple current	Rated capacitance	Rated ripple current	Rated capacitance	Rated ripple current	Rated capacitance	Rated ripple current
			(μF)	(Arms)	(μF)	(Arms)	(μF)	(Arms)	(μF)	(Arms)	(μF)	(Arms)	(μF)	(Arms)	(μF)	(Arms)
22×20	S21		3300	1.2	—	—	—	—	—	—	—	—	—	—	—	—
22×25	S22		4700	1.5	2200	1.0	1500	0.8	1000	0.8	680	0.7	—	—	—	—
22×30	S23		—	—	3300	1.3	2200	1.3	1500	1.1	1000	0.9	680	0.7	—	—
22×35	S24		6800	2.0	4700	1.7	3300	1.7	—	—	1500	1.2	1000	1.0	680	0.8
22×40	S25		—	—	—	—	—	—	2200	1.5	—	—	—	—	—	—
22×45	S26		10000	2.7	6800	2.2	4700	2.3	—	—	2200	1.6	—	—	—	—
22×50	S27		—	—	—	—	—	—	3300	2.0	—	—	1500	1.3	1000	1.2
25×25	S32		—	—	3300	1.7	2200	1.7	1500	1.4	1000	1.2	680	1.0	—	—
25×30	S33		6800	2.5	4700	2.1	3300	2.2	2200	1.8	1500	1.5	1000	1.2	680	1.1
25×35	S34		10000	3.2	—	—	—	—	—	—	—	—	—	—	—	—
25×40	S35		—	—	6800	2.7	4700	2.8	3300	2.3	2200	1.9	1500	1.6	1000	1.4
25×45	S36		—	—	—	—	—	—	—	—	—	—	—	—	—	—
25×50	S37		—	—	10000	3.0	6800	2.6	4700	2.4	3300	2.0	2200	2.0	1500	1.8
30×25	S42		6800	2.6	4700	2.2	3300	2.3	2200	1.9	1500	1.6	1000	1.3	680	1.1
30×30	S43		10000	3.3	6800	2.7	4700	2.8	3300	2.4	2200	1.9	1500	1.6	1000	1.4
30×35	S44		—	—	—	—	—	—	—	—	—	—	—	—	—	—
30×40	S45		—	—	10000	3.1	6800	2.7	4700	2.4	3300	2.1	2200	2.1	1500	1.8
30×45	S46		—	—	—	—	—	—	—	—	—	—	—	—	—	—
30×50	S47		—	—	—	—	10000	3.4	6800	3.1	4700	2.6	3300	2.2	2200	1.8
35×25	S52		10000	3.4	6800	2.8	4700	2.9	3300	2.4	2200	2.0	1500	1.7	1000	1.5
35×30	S53		—	—	10000	3.1	6800	2.7	4700	2.5	3300	2.1	2200	2.1	1500	1.8
35×35	S54		—	—	—	—	—	—	—	—	—	—	—	—	—	—
35×40	S55		—	—	—	—	10000	3.5	6800	3.1	4700	2.6	3300	2.2	2200	1.8
35×45	S56		—	—	—	—	—	—	—	—	—	—	—	—	—	—
35×50	S57		—	—	—	—	—	—	—	—	6800	3.3	4700	2.7	—	—

(Note) Rated ripple current : 85℃, 120Hz.

Mouser Electronics

Authorized Distributor

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Elna:

LAO-25V682MS26PX#B LAO-50V682MS47PX#B LAO-80V332MS55PX#B LAO-25V103MS37PX#B LAO-50V472MS37PX#B