

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

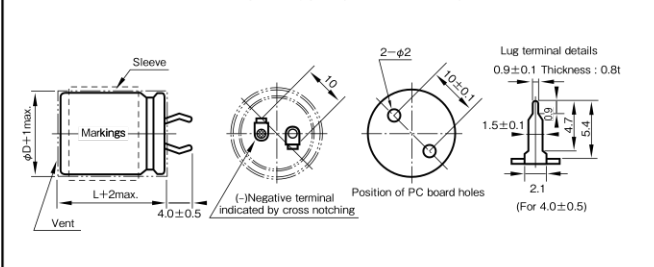
Specifications

Item	Performance																								
Category temperature range (°C)	-40 to +85																								
Tolerance at rated capacitance (%)	±20 (20°C,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°C)																								
Tangent of loss angle (tanδ)	<table><tr><td>Rated voltage (V)</td><td>16</td><td>25</td><td>35</td><td>50 to 100</td></tr><tr><td>tanδ (max.)</td><td>0.40</td><td>0.40</td><td>0.35</td><td>0.30</td></tr></table> (20°C,120Hz)					Rated voltage (V)	16	25	35	50 to 100	tanδ (max.)	0.40	0.40	0.35	0.30										
						Rated voltage (V)	16	25	35	50 to 100															
tanδ (max.)	0.40	0.40	0.35	0.30																					
Characteristics at high and low temperature	<table><tr><td colspan="2">Rated voltage (V)</td><td colspan="2">16 to 35</td><td>50 to 100</td></tr><tr><td rowspan="2">Impedance ratio (max.)</td><td>Z-25°C/Z+20°C</td><td>4</td><td>3</td></tr><tr><td>Z-40°C/Z+20°C</td><td>15</td><td>10</td></tr></table> (120Hz)					Rated voltage (V)		16 to 35		50 to 100	Impedance ratio (max.)	Z-25°C/Z+20°C	4	3	Z-40°C/Z+20°C	15	10								
						Rated voltage (V)		16 to 35		50 to 100															
						Impedance ratio (max.)	Z-25°C/Z+20°C	4	3																
							Z-40°C/Z+20°C	15	10																
Endurance (85°C) (Applied ripple current)	<table><tr><td>Test time</td><td colspan="4">1000 hours</td></tr><tr><td>Leakage current</td><td colspan="4">The initial specified value or less</td></tr><tr><td>Percentage of capacitance change</td><td colspan="4">Within ±20% of initial value</td></tr><tr><td>Tangent of the loss angle</td><td colspan="4">150% or less of the initial specified value</td></tr></table>					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			
						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°C)	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

Frequency (Hz)	50	120	1k	10k	20k
Rated voltage (V)					
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 (μF)	Rated ripple current (Arms)	Rated capacitance (μF)	Rated ripple current (Arms)	Rated capacitance (μF)	Rated ripple current (Arms)	Rated capacitance (μF)	Rated ripple current (Arms)	Rated capacitance (μF)	Rated ripple current (Arms)	Rated capacitance (μF)	Rated ripple current (Arms)	Rated capacitance (μF)	Rated ripple current (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°C, 120Hz.