

Power Supply Smoothing Use, Standard Capacitors

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



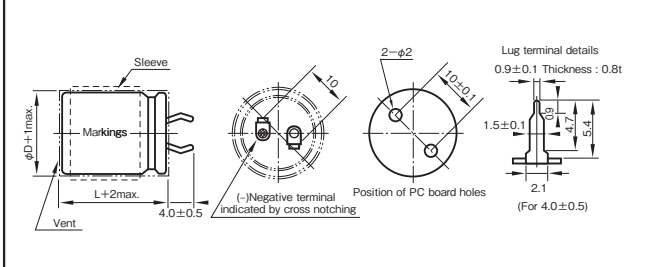
Specifications

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 colspan="2">Rated voltage (V)</td><td>16</td><td>25</td><td>35</td><td>50 to 100</td></tr><tr><td colspan="2">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					
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Characteristics at high and low temperature	<table><tr><td colspan="2">Rated voltage (V)</td><td colspan="2">16 to 35</td><td colspan="2">50 to 100</td></tr><tr><td rowspan="2">Impedance ratio (max.)</td><td>Z-25°C/Z+20°C</td><td colspan="2">4</td><td colspan="2">3</td></tr><tr><td>Z-40°C/Z+20°C</td><td colspan="2">15</td><td colspan="2">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)	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																					
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)					
50 or less	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.
Ask factory for technical specifications before purchase and/or 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.

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