

Power Supply Smoothing Use, Standard Capacitors (Common name: TONEREX)

GREEN CAP For audio

- Adopting the newly developed formation method and composite electrolytic paper for audio application has reduced distortion, achieving high-quality sound.
- Best suited as power supply filters for sound quality priority audio equipment.
- Printed circuit board terminal snap-in type.

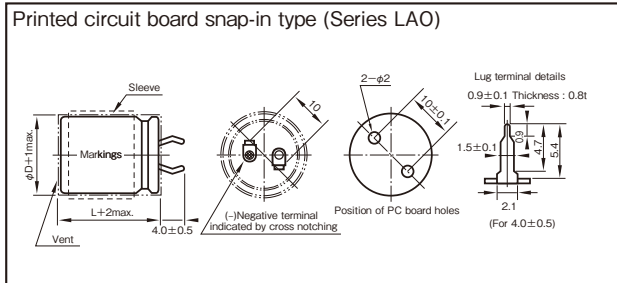


Specifications

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)	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	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



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)

Printed circuit board snap-in type	LAO	—	63V	682	MPD	S4	□	#
Series code	Rated voltage symbol	Rated capacitance symbol	Casing symbol	Additional 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)	Item Casing symbol	16		25		35		50		63		80		100	
		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	S1	3300	1.2	—	—	—	—	—	—	—	—	—	—	—	—
22×25	S1	4700	1.5	2200	1.0	1500	0.8	1000	0.8	680	0.7	—	—	—	—
22×30	S1	—	—	3300	1.3	2200	1.3	1500	1.1	1000	0.9	680	0.7	—	—
22×35	S1	6800	2.0	4700	1.7	3300	1.7	—	—	1500	1.2	1000	1.0	680	0.8
22×40	S1	—	—	—	—	—	—	2200	1.5	—	—	—	—	—	—
22×45	S1	10000	2.7	6800	2.2	4700	2.3	—	—	2200	1.6	—	—	—	—
22×50	S1	—	—	—	—	—	—	3300	2.0	—	—	1500	1.3	1000	1.2
25×25	S2	—	—	3300	1.7	2200	1.7	1500	1.4	1000	1.2	680	1.0	—	—
25×30	S2	6800	2.5	4700	2.1	3300	2.2	2200	1.8	1500	1.5	1000	1.2	680	1.1
25×35	S2	10000	3.2	—	—	—	—	—	—	—	—	—	—	—	—
25×40	S2	—	—	6800	2.7	4700	2.8	3300	2.3	2200	1.9	1500	1.6	1000	1.4
25×45	S2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
25×50	S2	—	—	10000	3.0	6800	2.6	4700	2.4	3300	2.0	2200	2.0	1500	1.8
30×25	S3	6800	2.6	4700	2.2	3300	2.3	2200	1.9	1500	1.6	1000	1.3	680	1.1
30×30	S3	10000	3.3	6800	2.7	4700	2.8	3300	2.4	2200	1.9	1500	1.6	1000	1.4
30×35	S3	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30×40	S3	—	—	10000	3.1	6800	2.7	4700	2.4	3300	2.1	2200	2.1	1500	1.8
30×45	S3	—	—	—	—	—	—	—	—	—	—	—	—	—	—
30×50	S3	—	—	—	—	10000	3.4	6800	3.1	4700	2.6	3300	2.2	2200	1.8
35×25	S4	10000	3.4	6800	2.8	4700	2.9	3300	2.4	2200	2.0	1500	1.7	1000	1.5
35×30	S4	—	—	10000	3.1	6800	2.7	4700	2.5	3300	2.1	2200	2.1	1500	1.8
35×35	S4	—	—	—	—	—	—	—	—	—	—	—	—	—	—
35×40	S4	—	—	—	—	10000	3.5	6800	3.1	4700	2.6	3300	2.2	2200	1.8
35×45	S4	—	—	—	—	—	—	—	—	—	—	—	—	—	—
35×50	S4	—	—	—	—	—	—	—	—	6800	3.3	4700	2.7	—	—

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

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