

■ SILMIC series Silk fiber using audio purpose capacitor

- ELNA developed new raw material for the separate paper which use a silk fibers. Therefore, this capacitor can give you high grade sound for your audio design.
- Due to the silk fiber's pliability, the capacitor makes a dream of the high quality sound.

For examples ;

- To relieve the music's vibration energy.
- To decrease the peak feeling sound at high compass and rough quality sound at middle compass.
- To increase massive sound at low compass.
- For bipolar capacitors, consult with us.



Marking color : White print on a brown sleeve

Miniature High Grade Capacitors for Audio(SILMIC II)

GREEN
CAP

For
audio

- All lead wires oxygen-free copper for extremely low distortion.
(Third high frequency distortion 10kHz, 0.1A, -120dB or less)
- "SILMIC II" mark on sleeve.

For higher grade For higher grade For higher grade

RFS

ROS

ROA

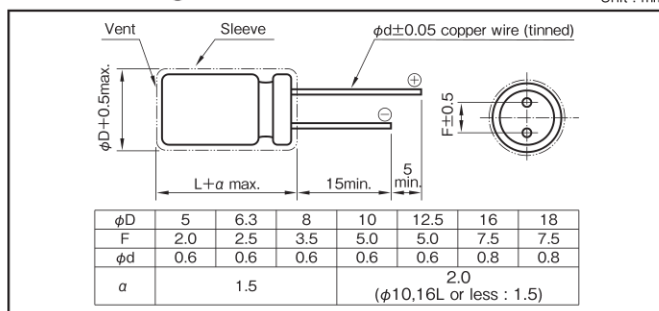
ROB

Specifications

Item	Performance									
Category temperature range (°C)	-40 to +85									
Tolerance at rated capacitance (%)	±20 (20°C,120Hz)									
Leakage current (μA)	Less than 0.01CV or 3 whichever is larger (after 5 minutes) C : Rated capacitance (μF) ; V : Rated voltage (V) (20°C)									
Tangent of loss angle (tanδ)	Rated voltage (V)	6.3	10	16	25	35	50	63	100	
	tanδ (max.)	0.20	0.17	0.13	0.10	0.10	0.08	0.08	0.08	
	0.02 is added to every 1000μF increase over 1000μF (20°C,120Hz)									
Endurance (85°C) (Applied ripple current)	Test time	1000 hours (with the polarity inverted every 250 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

Rated voltage (V)	Frequency (Hz) CV (µF×VVV)	50 · 60	120	1k	10k	100k
6.3 to 16	All CV value	0.8	1	1.1	1.2	1.2
25 to 35	≤1000	0.8	1	1.5	1.7	1.7
	1000<	0.8	1	1.2	1.3	1.3
50 to 100	≤1000	0.8	1	1.6	1.9	1.9
	1000<	0.8	1	1.2	1.3	1.3

Part numbering system (example : 25V100µF)

RFS	—	25	V	101	M	H4	#5	—	□
Series code		Rated voltage symbol		Rated capacitance symbol	Capacitance tolerance symbol	Casing symbol			Taping (Forming) symbol

Case symbol

Case Symbol	Casing Symbol	Case Symbol	Casing Symbol	Case Symbol	Casing Symbol	Case Symbol	Casing Symbol
φD×L (mm)		φD×L (mm)		φD×L (mm)		φD×L (mm)	
5×11	E3	10×12.5	H3	12.5×20	I5	16×31.5	J7
6.3×11	F3	10×16	H4	12.5×25	I6	16×35.5	J8
8×11.5	G3	10×20	H5	16×25	J6	18×35.5	K8
				18×40	K9		

Standard Ratings

Rated voltage (V)	6.3	10	16	25	35	50	63	100
Rated capacitance (µF)	Case Symbol	Case Symbol	Case Symbol	Case Symbol	Case Symbol	Case Symbol	Case Symbol	Case Symbol
2.2	—	—	—	—	—	5×11	22	5×11
3.3	—	—	—	—	—	6.3×11	23	6.3×11
4.7	—	—	—	—	—	5×11	25	5×11
10	—	—	—	5×11	35	6.3×11	30	8×11.5
22	—	—	5×11	55	5×11	6.3×11	35	10×12.5
33	5×11	55	6.3×11	70	6.3×11	8×11.5	40	10×16
47	5×11	65	8×11.5	125	8×11.5	10×12.5	140	12.5×20
100	6.3×11	80	10×12.5	215	10×12.5	10×16	190	12.5×25
220	10×12.5	240	12.5×20	385	12.5×20	12.5×25	225	16×25
330	10×16	290	12.5×25	545	12.5×25	16×31.5	285	18×40
470	10×20	390	16×25	710	16×25	18×35.5	—	—
1000	12.5×20	710	18×40	1315	18×40	—	—	—
2200	—	—	—	2150	—	—	—	—
3300	—	—	—	—	—	—	—	—

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

NOTE

Design, Specifications are subject to change without notice.
Ask factory for technical specifications before purchase and/or use.