

■ 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;

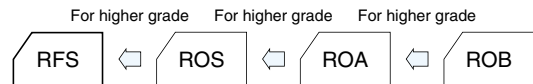
- To relieve the music's vibration energy.
- To decrease the peak feeling sound at high compass and rough quality sound at middle compass.
- To increase massive sound at low compass.
- For bipolar capacitors, consult with us.



Miniature High Grade Capacitors for Audio(SILMIC II)

GREEN CAP For audio

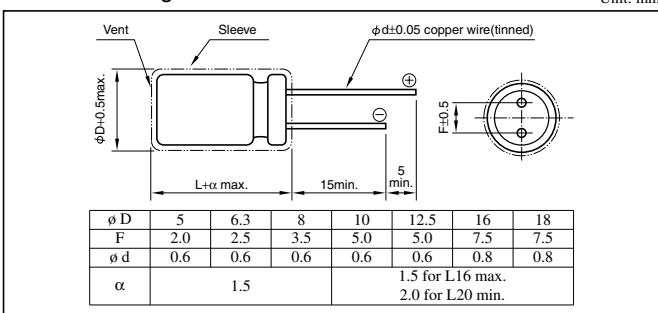
- All lead wires oxygen-free copper for extremely low distortion. (Third high frequency distortion 10kHz,0.1A,-120dB or less)
- Vinyl sleeve is of brown finish gold "SILMIC II" mark.



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)									

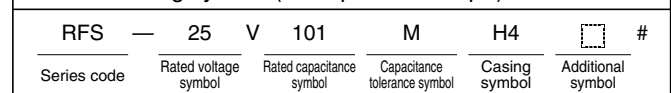
Outline Drawing



Coefficient of Frequency for Rated Ripple Current

Rated voltage(V)	Frequency(Hz) CV(µFxWV)	50 · 60	120	1k	10k	100k
		6.3 to 16	All CV value	0.8	1	1.1
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)



Case symbol

Case	Casing	Case	Casing	Case	Casing	Case	Casing
φ DxL(mm)	Symbol	φ DxL(mm)	Symbol	φ DxL(mm)	Symbol	φ DxL(mm)	Symbol
5x11	E3	10x12.5	H3	12.5x20	15	16x31.5	J7
6.3x11	F3	10x16	H4	12.5x25	16	16x35.5	J8
8x11.5	G3	10x20	H5	16x25	J6	18x35.5	K8
						18x40	K9

Standard Ratings

Rated capacitance(µF)	Item	6.3		10		16		25		35		50		63		100	
		Case	Rated ripple current	Case	Rated ripple current	Case	Rated ripple current	Case	Rated ripple current	Case	Rated ripple current	Case	Rated ripple current	Case	Rated ripple current	Case	Rated ripple current
		φ DxL(mm)	mArms	φ DxL(mm)	mArms	φ DxL(mm)	mArms	φ DxL(mm)	mArms	φ DxL(mm)	mArms	φ DxL(mm)	mArms	φ DxL(mm)	mArms	φ DxL(mm)	mArms
0.47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4.7	—	—	—	—	—	—	—	5x11	25	5x11	30	—	—	—	—	—	—
10	—	—	—	—	5x11	35	—	—	—	—	—	—	—	—	—	—	—
22	—	—	—	—	5x11	55	—	—	—	—	—	—	—	—	—	—	—
33	—	—	—	—	5x11	70	—	—	—	—	—	—	—	—	—	—	—
47	—	—	—	—	5x11	85	—	—	—	—	—	—	—	—	—	—	—
100	—	—	—	—	5x11	125	—	—	—	—	—	—	—	—	—	—	—
220	—	—	—	—	5x11	150	—	—	—	—	—	—	—	—	—	—	—
330	—	—	—	—	5x11	175	—	—	—	—	—	—	—	—	—	—	—
470	—	—	—	—	5x11	210	—	—	—	—	—	—	—	—	—	—	—
1000	—	—	—	—	5x11	250	—	—	—	—	—	—	—	—	—	—	—
2200	—	—	—	—	5x11	300	—	—	—	—	—	—	—	—	—	—	—
3300	—	—	—	—	5x11	350	—	—	—	—	—	—	—	—	—	—	—

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