

### ■ 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)
- "SILMIC II" mark on sleeve.

For higher grade    For higher grade    For higher grade

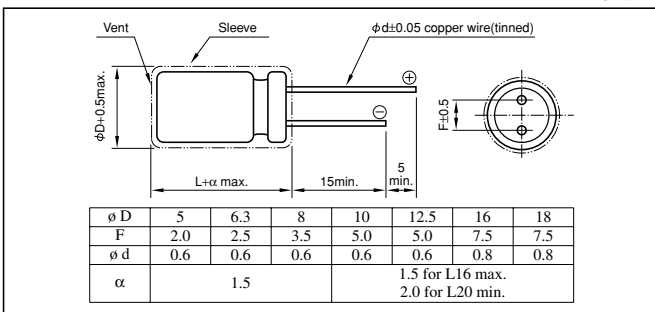


### Specifications

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

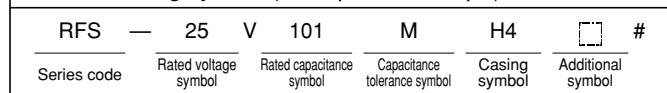
Unit: mm



### Coefficient of Frequency for Rated Ripple Current

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

### Part numbering system (example: 25V100µF)



### Case symbol

Case φ DxL(mm)	Casing Symbol	Case φ DxL(mm)	Casing Symbol	Case φ DxL(mm)	Casing Symbol	Case φ DxL(mm)	Casing Symbol
5x11	E3	10x12.5	H3	12.5x20	L5	16x31.5	J7
6.3x11	E3	10x16	H4	12.5x25	L6	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 φ DxL(mm)	Rated ripple current mA Arms	Case φ DxL(mm)	Rated ripple current mA Arms	Case φ DxL(mm)	Rated ripple current mA Arms	Case φ DxL(mm)	Rated ripple current mA Arms	Case φ DxL(mm)	Rated ripple current mA Arms	Case φ DxL(mm)	Rated ripple current mA Arms	Case φ DxL(mm)	Rated ripple current mA Arms	Case φ DxL(mm)	Rated ripple current mA Arms
0.47	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4.7	—	—	—	—	—	—	—	5x11	25	5x11	30	—	—	—	—	—	—
10	—	—	—	—	5x11	35	—	5x11	35	5x11	35	—	—	—	—	—	—
22	—	—	5x11	50	—	—	—	—	—	—	—	—	—	—	—	—	—
33	—	—	5x11	65	—	—	—	—	—	—	—	—	—	—	—	—	—
47	—	—	5x11	70	—	—	—	—	—	—	—	—	—	—	—	—	—
100	—	—	5x11	75	—	—	—	—	—	—	—	—	—	—	—	—	—
220	—	—	6.3x11	80	—	—	—	—	—	—	—	—	—	—	—	—	—
330	—	—	6.3x11	85	—	—	—	—	—	—	—	—	—	—	—	—	—
470	—	—	8x11.5	125	—	—	—	—	—	—	—	—	—	—	—	—	—
1000	—	—	10x12.5	215	—	—	—	—	—	—	—	—	—	—	—	—	—
2200	—	—	10x16	260	—	—	—	—	—	—	—	—	—	—	—	—	—
3300	—	—	10x20	385	—	—	—	—	—	—	—	—	—	—	—	—	—
			10x25	545	—	—	—	—	—	—	—	—	—	—	—	—	—
			12.5x20	710	—	—	—	—	—	—	—	—	—	—	—	—	—
			12.5x25	710	—	—	—	—	—	—	—	—	—	—	—	—	—
			16x25	835	—	—	—	—	—	—	—	—	—	—	—	—	—
			16x31.5	1315	—	—	—	—	—	—	—	—	—	—	—	—	—
			16x35.5	1500	—	—	—	—	—	—	—	—	—	—	—	—	—
			18x40	2150	—	—	—	—	—	—	—	—	—	—	—	—	—
			18x40	1980	—	—	—	—	—	—	—	—	—	—	—	—	—

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