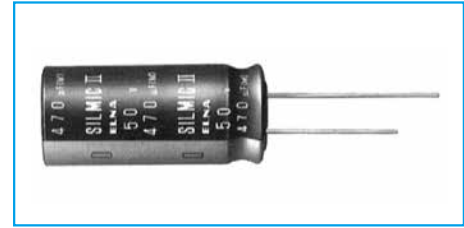


■ SILMIC series Silk fiber using audio purpose capacitor

- 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.



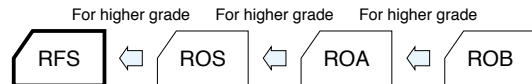
Marking color : White print on a brown sleeve

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.

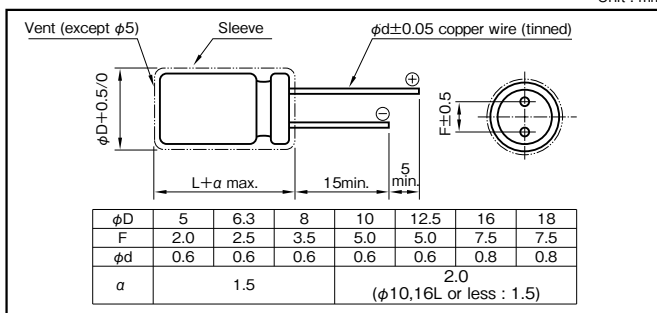


Specifications

Item	Performance																																																	
Category temperature range (°C)	-40 to +85																																																	
Tolerance at rated capacitance (%)	±20 (20°C,120Hz)																																																	
Leakage current (μA) (max.)	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)	<table><tr><td>Rated voltage (V)</td><td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td><td>63</td><td>100</td></tr><tr><td>tanδ (max.)</td><td>0.20</td><td>0.17</td><td>0.13</td><td>0.10</td><td>0.10</td><td>0.08</td><td>0.08</td><td>0.08</td></tr></table>										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																						
	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)	<table><tr><td>Test time</td><td colspan="9">1000 hours</td></tr><tr><td>Leakage current</td><td colspan="9">The initial specified value or less</td></tr><tr><td>Percentage of capacitance change</td><td colspan="9">Within ±20% of initial value</td></tr><tr><td>Tangent of the loss angle</td><td colspan="9">150% or less of the initial specified value</td></tr></table>										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								
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Tangent of the loss angle	150% or less of the initial specified value																																																	
Shelf life (85°C)	Test time : 1000hours ; other items are same as the endurance. Voltage application treatment : According to JIS C5101-4 4.1																																																	
Applicable standards	JIS C5101-1, -4 (IEC 60384-1, -4)																																																	

Outline Drawing

Unit : mm



Coefficient of Frequency for Rated Ripple Current

Rated voltage (V)	Frequency (Hz)	50・60	120	1k	10k	100k
	CV (μF×WV)					
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)

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	Casing	Case	Casing	Case	Casing	Case	Casing
φD×L (mm)	Symbol	φD×L (mm)	Symbol	φD×L (mm)	Symbol	φD×L (mm)	Symbol
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)	Item	6.3		10		16		25		35		50		63		100	
		Case φD×L (mm)	Rated ripple current (mA Arms)	Case φD×L (mm)	Rated ripple current (mA Arms)	Case φD×L (mm)	Rated ripple current (mA Arms)	Case φD×L (mm)	Rated ripple current (mA Arms)	Case φD×L (mm)	Rated ripple current (mA Arms)	Case φD×L (mm)	Rated ripple current (mA Arms)	Case φD×L (mm)	Rated ripple current (mA Arms)	Case φD×L (mm)	Rated ripple current (mA Arms)
3.3	—	—	—	—	—	—	—	—	—	—	—	5×11 25 6.3×11 30	—	5×11 30	—	—	
4.7	—	—	—	—	—	—	—	5×11 25	—	5×11 30	—	5×11 35 6.3×11 40	5×11 35 6.3×11 40	—	—		
10	—	—	—	—	—	5×11 35	—	5×11 35 6.3×11 60	—	5×11 35 6.3×11 55	—	8×11.5 75	—	8×11.5 75	—	—	
22	—	—	—	5×11 50	—	5×11 55 6.3×11 70	—	5×11 60 6.3×11 80	—	8×11.5 95	—	10×12.5 130	—	10×16 140	—	—	
33	5×11	55	5×11 65 6.3×11 70	—	5×11 70 6.3×11 90	—	8×11.5 120	—	10×12.5 140	—	10×16 175	—	10×20 190	—	12.5×20 220		
47	5×11 6.3×11	65 80	5×11 6.3×11	75 85	—	8×11.5 125	—	8×11.5 140	—	10×12.5 170	—	10×16 210	—	10×20 225	—	12.5×25 285	
100	8×11.5	135	8×11.5	145	10×12.5	215	10×16	270	10×20	295	12.5×20	380	12.5×25	415	16×25	485	
220	10×12.5	240	10×16	260	10×20	385	12.5×20	505	12.5×25	550	16×25	720	16×31.5	785	18×40	930	
330	10×16	290	10×20	350	12.5×20	545	12.5×25	675	16×25	785	16×31.5	965	16×35.5	1010	—	—	
470	10×20	390	12.5×20	455	12.5×25	710	16×25	940	16×31.5	1030	16×35.5	1210	18×35.5	1295	—	—	
1000	12.5×20	710	16×25	835	16×31.5	1315	16×35.5	1575	—	1690	18×40	1985	—	—	—	—	
2200	—	—	16×35.5	1500	18×40	2150	—	—	—	—	—	—	—	—	—	—	
3300	—	—	18×40	1980	—	—	—	—	—	—	—	—	—	—	—	—	

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

NOTE : Design, Specifications are subject to change without notice. It is recommended that you shall obtain technical specifications from ELNA to ensure that the component is suitable for your use.

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