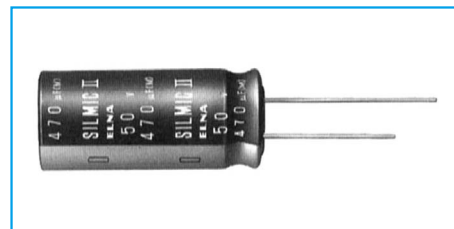


■ SILMIC series Silk fiber using audio purpose capacitor

- 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
CAPFor
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.

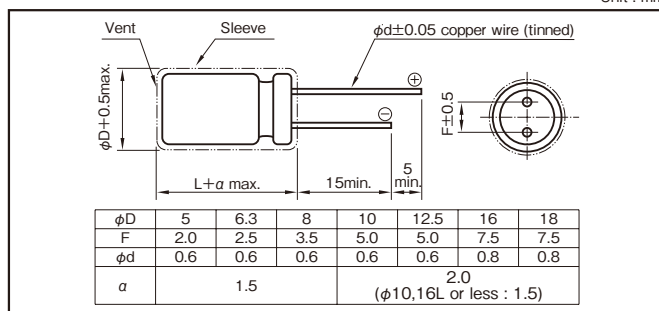


Specifications

Item	Performance									
Category temperature range (°C)	-40 to +85									
Tolerance at rated capacitance (%)	±20 (20°C,120Hz)									
Leakage current (μA)	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×V/VV)	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	□	#
Series code		Rated voltage symbol		Rated capacitance symbol	Capacitance tolerance symbol	Casing symbol		Additional 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 capacitance (µF)	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
	φD×L (mm)	mArms	φD×L (mm)	mArms	φD×L (mm)	mArms	φD×L (mm)	mArms	φD×L (mm)	mArms	φD×L (mm)	mArms	φD×L (mm)	mArms	φD×L (mm)	mArms
0.47	—	—	—	—	—	—	—	—	—	—	5×11	9	—	—	5×11	10
1	—	—	—	—	—	—	—	—	—	—	6.3×11	12	—	—	—	—
2.2	—	—	—	—	—	—	—	—	—	—	5×11	14	—	—	5×11	20
3.3	—	—	—	—	—	—	—	—	—	—	6.3×11	18	—	—	—	—
4.7	—	—	—	—	—	—	—	—	—	—	5×11	20	—	—	5×11	25
10	—	—	—	—	5×11	35	5×11	35	5×11	35	6.3×11	23	5×11	22	6.3×11	30
22	—	—	5×11	50	5×11	55	6.3×11	60	6.3×11	55	5×11	25	—	—	—	—
33	5×11	55	6.3×11	70	6.3×11	70	8×11.5	120	10×12.5	140	6.3×11	30	5×11	30	8×11.5	40
47	5×11	65	5×11	75	8×11.5	125	8×11.5	140	10×12.5	170	5×11	35	5×11	35	10×12.5	60
100	8×11.5	135	8×11.5	145	10×12.5	215	10×12.5	250	10×12.5	295	6.3×11	40	8×11.5	75	10×16	95
220	10×12.5	240	10×16	260	10×20	385	12.5×20	505	12.5×25	550	8×11.5	75	10×16	140	10×20	155
330	10×16	290	10×20	350	12.5×20	545	12.5×25	675	16×25	785	10×12.5	130	10×16	190	12.5×20	220
470	10×20	390	12.5×20	455	12.5×25	710	16×25	940	16×31.5	1030	10×16	175	10×20	190	12.5×25	285
1000	12.5×20	710	16×25	835	16×31.5	1315	16×35.5	1575	18×35.5	1690	12.5×20	380	12.5×25	415	16×25	485
2200	—	—	16×35.5	1500	18×40	2150	—	—	—	—	16×25	720	16×31.5	785	18×40	930
3300	—	—	18×40	1980	—	—	—	—	—	—	16×31.5	965	16×35.5	1010	—	—
											12.5×25	1210	18×35.5	1295	—	—
											18×40	1985	—	—	—	—
											—	—	—	—	—	—
											—	—	—	—	—	—

(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.