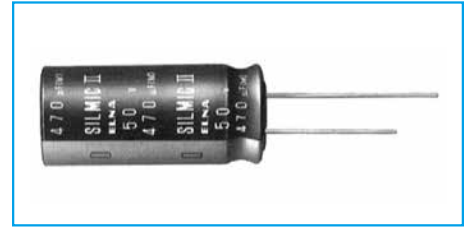


■ SILMIC series Silk fiber using audio purpose capacitor

- 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

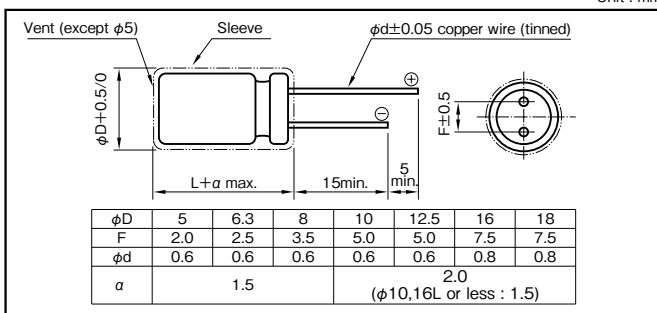


Specifications

| 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 border="1"> <tr> <th>Rated voltage (V)</th> <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> <th>tanδ (max.)</th> <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) | 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 | | | | | | | | | | | | | | | | | |
| 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) CV (µF×VV) | 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 |
| | ≤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 |
|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| 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 | Rated ripple current (mA) | Case | Rated ripple current (mA) | Case | Rated ripple current (mA) | Case | Rated ripple current (mA) | Case | Rated ripple current (mA) | Case | Rated ripple current (mA) | Case | Rated ripple current (mA) | Case | Rated ripple current (mA) |
| 3.3 | — | — | — | — | — | — | — | — | — | — | — | 5×11 | 25 | 5×11 | 30 | — | — |
| | | — | — | — | — | — | — | — | — | — | — | — | 6.3×11 | 30 | — | — | — |
| 4.7 | — | — | — | — | — | — | — | 5×11 | 25 | 5×11 | 30 | 5×11 | 35 | 5×11 | 35 | — | — |
| | | — | — | — | — | — | — | — | — | — | — | — | 6.3×11 | 40 | 6.3×11 | 40 | — |
| | | — | — | — | — | — | — | — | — | — | — | — | 8×11.5 | 75 | 8×11.5 | 75 | — |
| 10 | — | — | — | — | — | 5×11 | 35 | 5×11 | 35 | 5×11 | 35 | — | — | — | — | — | — |
| | | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 22 | — | — | — | 5×11 | 50 | 5×11 | 55 | 5×11 | 60 | 5×11 | 60 | — | — | — | — | — | — |
| | | — | — | — | — | 6.3×11 | 70 | 6.3×11 | 80 | 8×11.5 | 95 | 10×12.5 | 130 | 10×16 | 140 | — | — |
| 33 | — | 5×11 | 55 | 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 | 65 | 5×11 | 75 | 8×11.5 | 125 | 8×11.5 | 140 | 10×12.5 | 170 | 10×16 | 210 | 10×20 | 225 | 12.5×25 | 285 |
| | | 6.3×11 | 80 | 6.3×11 | 85 | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 18×35.5 | 1690 | 18×40 | 1985 | — | — | — | — |
| 2200 | — | — | — | 16×35.5 | 1500 | 18×40 | 2150 | — | — | — | — | — | — | — | — | — | — |
| 3300 | — | — | — | 18×40 | 1980 | — | — | — | — | — | — | — | — | — | — | — | — |

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

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