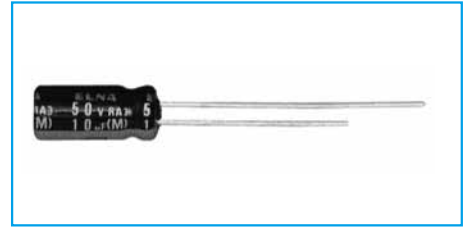
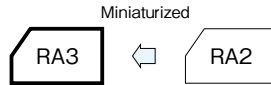


## Miniature Capacitors for Audio

GREEN CAP For Audio

- With the same size as that for Series RE3 miniaturized standard capacitors, a high resolution sound quality grade has been realized.
- The newly developed audio use material makes clear sound a reality.
- All lead wires are copper plated steel wires.

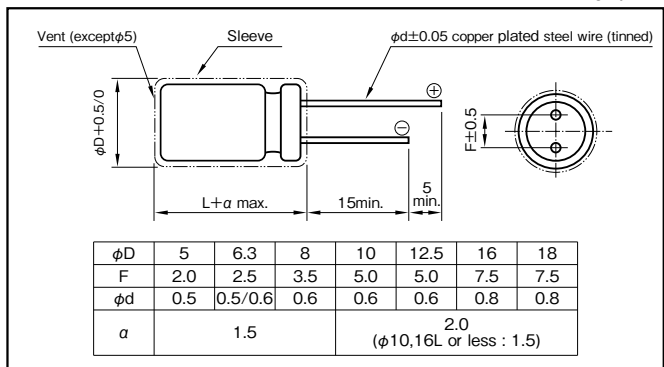


Marking color : White print on a brown sleeve

### 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 2 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.)   | 0.28 0.24 0.20 0.16 0.14 0.12 0.11 0.10     |
| 0.02 is added to every 1000μF increase over 1000μF (20°C, 120Hz) |   |   |
| Endurance (85°C) (Applied ripple current)                        | Test time   | 2000 hours                                  |
|  | Leakage current   | The initial specified value or less         |
|  | Percentage of capacitance change  | Within ±20% of initial value                |
|  | Tangent of the loss angle   | 200% 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)   |   |

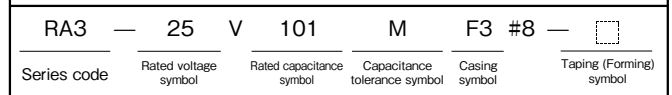
### Outline Drawing



### Coefficient of Frequency for Rated Ripple Current

| Rated voltage(V) | Frequency (Hz)<br>CV (μF×WV) | 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 φD×L (mm) | Casing Symbol | Case φD×L (mm) | Casing Symbol | Case φD×L (mm) | Casing Symbol | Case φD×L (mm) | Casing 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            | 18×35.5        | K8            |
| 8×11.5         | G3            | 10×20          | H5            | 16×25          | J6            | —              | —             |

### Standard Ratings

| Rated capacitance (μF) | 6.3            |                              | 10             |                              | 16             |                              | 25             |                              | 35             |                              | 50             |                              | 63             |                              | 100            |                              |
|------------------------|----------------|------------------------------|----------------|------------------------------|----------------|------------------------------|----------------|------------------------------|----------------|------------------------------|----------------|------------------------------|----------------|------------------------------|----------------|------------------------------|
|                        | Case φD×L (mm) | Rated ripple current (mArms) | Case φD×L (mm) | Rated ripple current (mArms) | Case φD×L (mm) | Rated ripple current (mArms) | Case φD×L (mm) | Rated ripple current (mArms) | Case φD×L (mm) | Rated ripple current (mArms) | Case φD×L (mm) | Rated ripple current (mArms) | Case φD×L (mm) | Rated ripple current (mArms) | Case φD×L (mm) | Rated ripple current (mArms) |
| 1                      | —              | —                            | —              | —                            | —              | —                            | —              | —                            | —              | —                            | 5×11           | 21                           | —              | —                            | 5×11           | 21                           |
| 2.2                    | —              | —                            | —              | —                            | —              | —                            | —              | —                            | —              | —                            | 5×11           | 31                           | —              | —                            | 5×11           | 31                           |
| 3.3                    | —              | —                            | —              | —                            | —              | —                            | —              | —                            | —              | —                            | 5×11           | 38                           | —              | —                            | 5×11           | 40                           |
| 4.7                    | —              | —                            | —              | —                            | —              | —                            | —              | —                            | —              | —                            | 5×11           | 45                           | —              | —                            | 5×11           | 50                           |
| 10                     | —              | —                            | —              | —                            | 5×11           | 50                           | 5×11           | 55                           | 5×11           | 60                           | 5×11           | 66                           | 5×11           | 70                           | 5×11           | 70                           |
| 22                     | —              | —                            | —              | —                            | 5×11           | 75                           | 5×11           | 90                           | 5×11           | 95                           | 5×11           | 100                          | 5×11           | 105                          | 6.3×11         | 115                          |
| 33                     | —              | —                            | —              | —                            | 5×11           | 110                          | 5×11           | 110                          | 5×11           | 110                          | 5×11           | 110                          | 6.3×11         | 130                          | 8×11.5         | 158                          |
| 47                     | —              | —                            | —              | —                            | 5×11           | 130                          | 5×11           | 130                          | 5×11           | 130                          | 6.3×11         | 155                          | 6.3×11         | 160                          | 8×11.5         | 188                          |
| 100                    | 5×11           | 130                          | 5×11           | 150                          | 5×11           | 180                          | 6.3×11         | 199                          | 6.3×11         | 214                          | 8×11.5         | 250                          | 8×11.5         | 270                          | 10×16          | 358                          |
| 220                    | 5×11           | 240                          | 6.3×11         | 250                          | 6.3×11         | 280                          | 8×11.5         | 349                          | 8×11.5         | 350                          | 10×12.5        | 429                          | 10×16          | 505                          | 12.5×20        | 663                          |
| 330                    | 6.3×11         | 300                          | 6.3×11         | 330                          | 8×11.5         | 383                          | 8×11.5         | 383                          | 10×12.5        | 542                          | 10×16          | 595                          | 10×20          | 676                          | 12.5×25        | 886                          |
| 470                    | 6.3×11         | 380                          | 8×11.5         | 417                          | 8×11.5         | 480                          | 10×12.5        | 545                          | 10×16          | 664                          | 12.5×20        | 887                          | 12.5×20        | 924                          | 16×25          | 1230                         |
| 1000                   | 8×11.5         | 580                          | 10×12.5        | 650                          | 10×16          | 791                          | 10×20          | 996                          | 12.5×20        | 1210                         | 12.5×25        | 1400                         | 16×25          | 1710                         | 18×35.5        | 2210                         |
| 2200                   | 10×16          | 939                          | 10×20          | 1080                         | 12.5×20        | 1350                         | 12.5×25        | 1660                         | 16×25          | 1950                         | 16×31.5        | 2340                         | 18×35.5        | 2870                         | —              | —                            |
| 3300                   | 10×20          | 1230                         | 12.5×20        | 1430                         | 12.5×25        | 1690                         | 16×25          | 2030                         | 16×31.5        | 2320                         | 18×35.5        | 2810                         | —              | —                            | —              | —                            |
| 4700                   | 12.5×20        | 1710                         | 12.5×25        | 1780                         | 16×25          | 2100                         | 16×31.5        | 2650                         | 18×35.5        | 2990                         | —              | —                            | —              | —                            | —              | —                            |
| 6800                   | 12.5×25        | 1930                         | 16×25          | 2270                         | 16×31.5        | 2480                         | 18×35.5        | 3290                         | —              | —                            | —              | —                            | —              | —                            | —              | —                            |
| 10000                  | 16×25          | 2450                         | 16×31.5        | 2500                         | 18×35.5        | 3130                         | —              | —                            | —              | —                            | —              | —                            | —              | —                            | —              | —                            |
| 15000                  | 16×31.5        | 2580                         | 18×35.5        | 3100                         | —              | —                            | —              | —                            | —              | —                            | —              | —                            | —              | —                            | —              | —                            |
| 22000                  | 18×35.5        | 3150                         | —              | —                            | —              | —                            | —              | —                            | —              | —                            | —              | —                            | —              | —                            | —              | —                            |

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

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