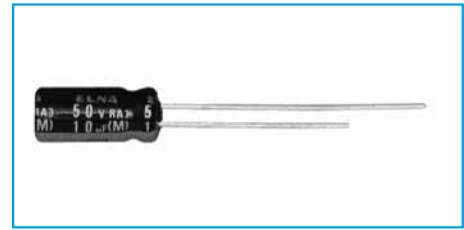
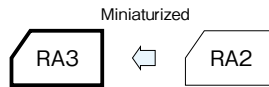


## Miniature Capacitors for Audio

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.



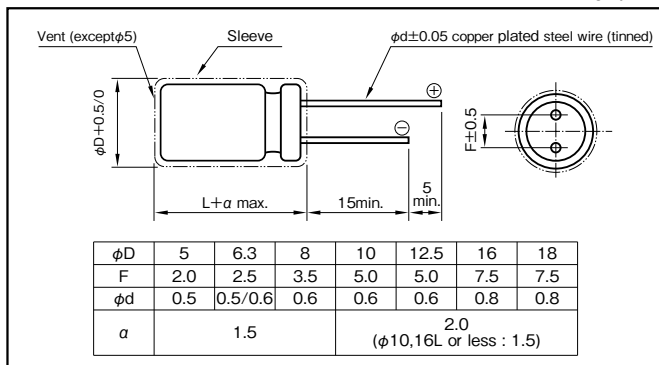
Marking color : White print on a brown sleeve

## 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)                                    | <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>0.28</td><td>0.24</td><td>0.20</td><td>0.16</td><td>0.14</td><td>0.12</td><td>0.11</td><td>0.10</td></tr></table>                                                                                                |                                     |      |      |      |      |      |      |      | 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 |                                  |                              |  |  |  |  |  |  |  |                           |                                             |  |  |  |  |  |  |  |
|                                                                 | 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)                       | <table><tr><td>Test time</td><td colspan="8">2000 hours</td></tr><tr><td>Leakage current</td><td colspan="8">The initial specified value or less</td></tr><tr><td>Percentage of capacitance change</td><td colspan="8">Within ±20% of initial value</td></tr><tr><td>Tangent of the loss angle</td><td colspan="8">200% or less of the initial specified value</td></tr></table> |                                     |      |      |      |      |      |      |      | 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 |  |  |  |  |  |  |  |
|                                                                 | 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

Unit : mm



## Coefficient of Frequency for Rated Ripple Current

| Rated voltage(V) | Frequency (Hz)<br>CV (μF×VV) | 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)

|             |   |                      |   |                          |                              |               |    |                         |
|-------------|---|----------------------|---|--------------------------|------------------------------|---------------|----|-------------------------|
| RA3         | — | 25                   | V | 101                      | M                            | F3            | #8 | □                       |
| Series code |   | Rated voltage symbol |   | Rated capacitance symbol | Capacitance tolerance symbol | Casing symbol |    | Taping (Forming) symbol |

## 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) | Item | 6.3            |                           | 10             |                           | 16             |                           | 25             |                           | 35             |                           | 50             |                           | 63             |                           | 100            |                           |
|------------------------|------|----------------|---------------------------|----------------|---------------------------|----------------|---------------------------|----------------|---------------------------|----------------|---------------------------|----------------|---------------------------|----------------|---------------------------|----------------|---------------------------|
|                        |      | Case φD×L (mm) | Rated ripple current (mA) | Case φD×L (mm) | Rated ripple current (mA) | Case φD×L (mm) | Rated ripple current (mA) | Case φD×L (mm) | Rated ripple current (mA) | Case φD×L (mm) | Rated ripple current (mA) | Case φD×L (mm) | Rated ripple current (mA) | Case φD×L (mm) | Rated ripple current (mA) | Case φD×L (mm) | Rated ripple current (mA) |
| 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

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

***Click to view similar products for*** [Aluminium Electrolytic Capacitors - Radial Leaded](#) ***category:***

***Click to view products by*** [Taiyo Yuden](#) ***manufacturer:***

Other Similar products are found below :

[LXY50VB4.7M-5X11](#) [RFO-100V471MJ7P#](#) [ECE-A1EGE220](#) [1814181](#) [NCD681K10KVY5PF](#) [NEV1000M25EF-BULK](#) [NEV100M35DC](#)  
[NEV100M63DE](#) [NEV220M25DD-BULK](#) [NEV.33M100AA](#) [NEV4700M50HB](#) [NEV.47M100AA](#) [NEVH1.0M250AB](#) [NEVH3.3M250BB](#)  
[NEVH3.3M450CC](#) [KME50VB100M-8X11.5](#) [SG220M1CSA-0407](#) [ES5107M016AE1DA](#) [ESX472M16B](#) [476CKH100MSA](#) [477RZS050M](#)  
[UVX1V101KPA1FA](#) [UVX1V222MHA1CA](#) [KME25VB100M-6.3X11](#) [VTL100S10](#) [VTL470S10](#) [511D336M250EK5D](#) [052687X](#) [ECE-](#)  
[A1CF471](#) [EKXG451ELL820MM30S](#) [686CKR050M](#) [NRE-S560M16V6.3X7TBSTF](#) [ERZA630VHN182UP54N](#) [UPL1A331MPH](#)  
[NEV1000M6.3DE](#) [NEV100M16CB](#) [NEV100M50DD-BULK](#) [NEV2200M16FF](#) [NEV220M50EE](#) [NEV2.2M50AA](#) [NEV330M63EF](#)  
[NEV4700M35HI](#) [NEV4.7M100BA](#) [NEV47M16BA](#) [NEV47M50CB-BULK](#) [NEVH1.0M350AB](#) [NEVH2.2M160AB](#) [NEVH3.3M350BC](#)  
[TER330M50GM](#) [477KXM035MGBWSA](#)