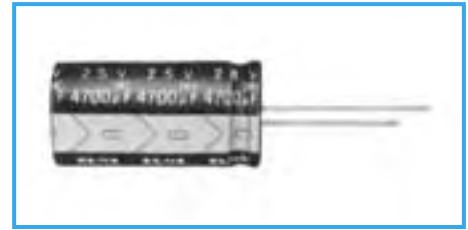
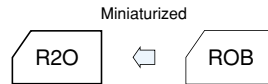


## Miniature Standard Capacitors for Audio (PURECAP)

GREEN  
CAPFor  
audio

- A standard grade capacitor for excellent sound quality.
- A new foil and refined electrolyte allow improved tone quality.
- New type standard miniaturized capacitor for audio, using synthetic mica paper for the separator.

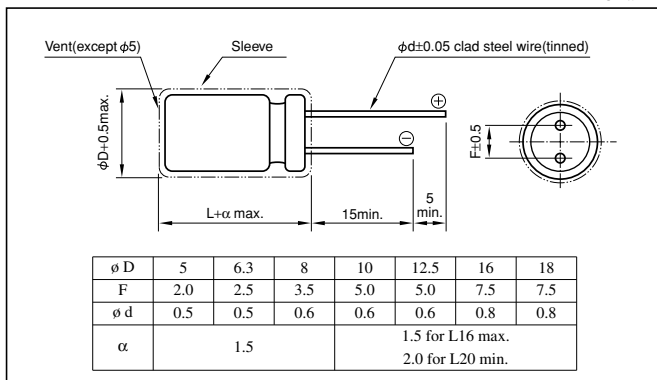


## Specifications

| 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 2 minutes) C: Rated capacitance(μF); V: Rated voltage(V) (20°C) |  |                                             |      |      |      |      |      |      |      |
| Tangent of loss angle<br>(tanδ)              | Rated voltage (V)                                                                                                |  | 6.3                                         | 10   | 16   | 25   | 35   | 50   | 63   | 100  |
|                                              | tanδ (max.)                                                                                                      |  | 0.30                                        | 0.25 | 0.19 | 0.16 | 0.14 | 0.12 | 0.10 | 0.10 |
|                                              | 0.02 is added to every 1000μF increase over 1000μF (20°C,120Hz)                                                  |  |                                             |      |      |      |      |      |      |      |
| Endurance (85°C)<br>(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                                                                                        |  | 200% or less of the initial specified value |      |      |      |      |      |      |      |
| Shelf life (85°C)                            | Test time : 500 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)      | 50 · 60 | 120 | 1k  | 10k | 100k |  |
| 6.3 to 16        | All CV value  | 0.80    | 1   | 1.1 | 1.2 | 1.2  |  |
|                  | ≤ 1000        | 0.80    | 1   | 1.5 | 1.7 | 1.7  |  |
| 25 to 35         | 1000 <        | 0.80    | 1   | 1.2 | 1.3 | 1.3  |  |
|                  | ≤ 1000        | 0.80    | 1   | 1.6 | 1.9 | 1.9  |  |
| 50 to 100        | 1000 <        | 0.80    | 1   | 1.2 | 1.3 | 1.3  |  |
|                  | ≤ 1000        | 0.80    | 1   | 1.2 | 1.3 | 1.3  |  |

## Part numbering system (example: 25V100μF)

|             |   |                      |   |                          |                              |               |   |                   |
|-------------|---|----------------------|---|--------------------------|------------------------------|---------------|---|-------------------|
| R2O         | — | 25                   | V | 101                      | M                            | F3            | □ | #                 |
| Series code |   | Rated voltage symbol |   | Rated capacitance symbol | Capacitance tolerance symbol | Casing symbol |   | Additional symbol |

## Case symbol

| Case<br>φ DxL(mm) | Casing<br>Symbol | Case<br>φ DxL(mm) | Casing<br>Symbol | Case<br>φ DxL(mm) | Casing<br>Symbol | Case<br>φ DxL(mm) | Casing<br>Symbol |
|-------------------|------------------|-------------------|------------------|-------------------|------------------|-------------------|------------------|
| 5x11              | E3               | 10x12.5           | H3               | 12.5x20           | I5               | 16x31.5           | J7               |
| 6.3x11            | F3               | 10x16             | H4               | 12.5x25           | I6               | 16x35.5           | J8               |
| 8x11.5            | G3               | 10x20             | H5               | 16x25             | J6               | 18x35.5           | K8               |
|                   |                  |                   |                  |                   |                  | 18x40             | K9               |

## Standard Ratings

| Rated voltage(V) | 6.3               |                                 | 10                |                                 | 16                |                                 | 25                |                                 | 35                |                                 | 50                |                                 | 63                |                                 | 100               |                                 |
|------------------|-------------------|---------------------------------|-------------------|---------------------------------|-------------------|---------------------------------|-------------------|---------------------------------|-------------------|---------------------------------|-------------------|---------------------------------|-------------------|---------------------------------|-------------------|---------------------------------|
|                  | Case<br>φ DxL(mm) | Rated ripple current<br>mA Arms | Case<br>φ DxL(mm) | Rated ripple current<br>mA Arms | Case<br>φ DxL(mm) | Rated ripple current<br>mA Arms | Case<br>φ DxL(mm) | Rated ripple current<br>mA Arms | Case<br>φ DxL(mm) | Rated ripple current<br>mA Arms | Case<br>φ DxL(mm) | Rated ripple current<br>mA Arms | Case<br>φ DxL(mm) | Rated ripple current<br>mA Arms | Case<br>φ DxL(mm) | Rated ripple current<br>mA Arms |
| 0.47             | —                 | —                               | —                 | —                               | —                 | —                               | —                 | —                               | —                 | —                               | 5x11              | 9                               | —                 | —                               | 5x11              | 10                              |
| 1                | —                 | —                               | —                 | —                               | —                 | —                               | —                 | —                               | —                 | —                               | 5x11              | 14                              | —                 | —                               | 5x11              | 15                              |
| 2.2              | —                 | —                               | —                 | —                               | —                 | —                               | —                 | —                               | —                 | —                               | 5x11              | 20                              | —                 | —                               | 5x11              | 20                              |
| 3.3              | —                 | —                               | —                 | —                               | —                 | —                               | —                 | —                               | —                 | —                               | 5x11              | 25                              | —                 | —                               | 5x11              | 25                              |
| 4.7              | —                 | —                               | —                 | —                               | —                 | —                               | —                 | —                               | 5x11              | 25                              | 5x11              | 30                              | 5x11              | 30                              | 5x11              | 30                              |
| 10               | —                 | —                               | —                 | —                               | —                 | —                               | —                 | —                               | 5x11              | 40                              | 5x11              | 40                              | 5x11              | 45                              | 6.3x11            | 55                              |
| 22               | —                 | —                               | —                 | —                               | 5x11              | 50                              | 5x11              | 55                              | 5x11              | 60                              | 5x11              | 65                              | 6.3x11            | 80                              | 8x11.5            | 95                              |
| 33               | —                 | —                               | 5x11              | 55                              | 5x11              | 60                              | 5x11              | 70                              | 5x11              | 75                              | 6.3x11            | 90                              | 6.3x11            | 100                             | 10x12.5           | 140                             |
| 47               | —                 | —                               | 5x11              | 65                              | 5x11              | 75                              | 5x11              | 80                              | 6.3x11            | 100                             | 6.3x11            | 110                             | 8x11.5            | 140                             | 10x16             | 180                             |
| 100              | 5x11              | 85                              | 5x11              | 95                              | 6.3x11            | 120                             | 6.3x11            | 140                             | 8x11.5            | 170                             | 8x11.5            | 190                             | 10x12.5           | 250                             | 12.5x20           | 340                             |
| 220              | 6.3x11            | 150                             | 6.3x11            | 165                             | 8x11.5            | 220                             | 8x11.5            | 240                             | 10x12.5           | 310                             | 10x16             | 370                             | 10x20             | 440                             | 16x25             | 640                             |
| 330              | 6.3x11            | 180                             | 8x11.5            | 240                             | 8x11.5            | 270                             | 10x12.5           | 350                             | 10x16             | 420                             | 10x20             | 490                             | 12.5x20           | 620                             | 16x25             | 780                             |
| 470              | 8x11.5            | 260                             | 8x11.5            | 280                             | 10x12.5           | 390                             | 10x16             | 460                             | 10x20             | 540                             | 12.5x20           | 670                             | 12.5x25           | 810                             | 16x31.5           | 1000                            |
| 1000             | 10x12.5           | 450                             | 10x16             | 540                             | 10x20             | 680                             | 12.5x20           | 850                             | 12.5x25           | 540                             | 16x25             | 1250                            | 16x31.5           | 1500                            | —                 | —                               |
| 2200             | 12.5x20           | 890                             | 12.5x20           | 970                             | 12.5x25           | 1200                            | 16x25             | 1500                            | 16x31.5           | 1750                            | 16x35.5           | 2100                            | —                 | —                               | —                 | —                               |
| 3300             | 12.5x20           | 1050                            | 12.5x25           | 1250                            | 16x25             | 1600                            | 16x31.5           | 1900                            | 18x35.5           | 2250                            | —                 | —                               | —                 | —                               | —                 | —                               |
| 4700             | 16x25             | 1550                            | 16x25             | 1650                            | 16x31.5           | 2050                            | 18x35.5           | 2450                            | —                 | —                               | —                 | —                               | —                 | —                               | —                 | —                               |
| 6800             | 16x25             | 1750                            | 16x31.5           | 2050                            | 18x35.5           | 2550                            | —                 | —                               | —                 | —                               | —                 | —                               | —                 | —                               | —                 | —                               |
| 10000            | 16x31.5           | 2150                            | 18x35.5           | 2550                            | —                 | —                               | —                 | —                               | —                 | —                               | —                 | —                               | —                 | —                               | —                 | —                               |
| 15000            | 18x35.5           | 2700                            | —                 | —                               | —                 | —                               | —                 | —                               | —                 | —                               | —                 | —                               | —                 | —                               | —                 | —                               |

(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.