

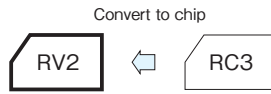
### ChipType Standard Capacitors (height:5.5mm)

GREEN CAP

SMD

Anti-cleaning solvent

- Compatible with surface mounting for 5.5mm high capacitors.
- Supplied with carrier taping.
- Guarantees 2000 hours at 85°C.

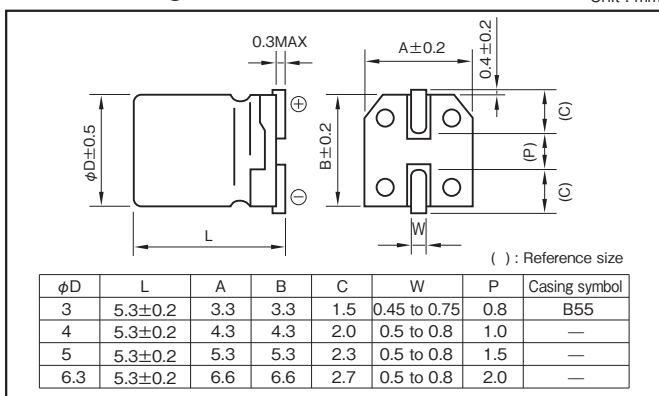


Marking color : Black print

### 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 (tanδ)                 | Rated voltage (V)                                                                                                                     |               |                                                          |     |     |    |    |    |    |    |
|                                              | tanδ (max.)                                                                                                                           |               | 4                                                        | 6.3 | 10  | 16 | 25 | 35 | 50 |    |
| Characteristics at high and low temperature  | Impedance ratio (max.)                                                                                                                | φ3            | Z-25°C/Z+20°C                                            | 4   | 6.3 | 10 | 16 | 25 | 35 | 50 |
|                                              |                                                                                                                                       |               | Z-40°C/Z+20°C                                            | 7   | 4   | 3  | 2  | 2  | 2  | 2  |
|                                              | φ4 to φ6.3                                                                                                                            | Z-25°C/Z+20°C | 7                                                        | 3   | 3   | 2  | 2  | 2  | 2  |    |
|                                              |                                                                                                                                       | Z-40°C/Z+20°C | 15                                                       | 8   | 5   | 4  | 3  | 3  | 3  |    |
| Endurance (85°C)<br>(Applied ripple current) | Test time                                                                                                                             |               | 2000 hours (φ3 : 1000 hours)                             |     |     |    |    |    |    |    |
|                                              | Leakage current                                                                                                                       |               | The initial specified value or less                      |     |     |    |    |    |    |    |
|                                              | Percentage of capacitance change                                                                                                      |               | Within ±20% of initial value (4WV : ±30%)                |     |     |    |    |    |    |    |
|                                              | Tangent of the loss angle                                                                                                             |               | 200% or less of the initial specified value (4WV : 300%) |     |     |    |    |    |    |    |
| Shelf life (85°C)                            | Test time : 1000hours ; other items are the same as those for the endurance. Voltage application treatment : According to JIS C5101-1 |               |                                                          |     |     |    |    |    |    |    |
| Applicable standards                         | JIS C5101-1, -18 (IEC 60384-1, -18)                                                                                                   |               |                                                          |     |     |    |    |    |    |    |

### Outline Drawing



### Coefficient of Frequency for Rated Ripple Current

| Rated voltage (V) | Frequency (Hz) |     |      |            |
|-------------------|----------------|-----|------|------------|
|                   | 50 · 60        | 120 | 1k   | 10k · 100k |
| 4 to 16           | 0.80           | 1   | 1.15 | 1.25       |
| 25 to 35          | 0.80           | 1   | 1.25 | 1.40       |
| 50                | 0.80           | 1   | 1.35 | 1.50       |

### Part numbering system

• φ3 (example : 16V10µF)

|             |                      |                          |                              |               |               |     |   |   |   |
|-------------|----------------------|--------------------------|------------------------------|---------------|---------------|-----|---|---|---|
| RV2         | —                    | 16                       | V                            | 100           | M             | B55 | U | — | □ |
| Series code | Rated voltage symbol | Rated capacitance symbol | Capacitance tolerance symbol | Casing symbol | Taping symbol |     |   |   |   |

• φ4 to φ6.3 (example : 16V47µF)

|             |                      |                          |                              |                   |               |   |   |   |   |
|-------------|----------------------|--------------------------|------------------------------|-------------------|---------------|---|---|---|---|
| RV2         | —                    | 16                       | V                            | 470               | M             | * | U | — | □ |
| Series code | Rated voltage symbol | Rated capacitance symbol | Capacitance tolerance symbol | Additional symbol | Taping symbol |   |   |   |   |

\*Should add "S", when there is a black point in standard ratings.

- Soldering conditions are described on page 13.
- Land pattern size are described on page 11.
- The taping specifications are described on page 14.

### Standard Ratings

| Rated capacitance (µF) | 4            |         | 6.3          |         | 10           |         | 16           |         | 25           |         | 35           |         | 50           |            |
|------------------------|--------------|---------|--------------|---------|--------------|---------|--------------|---------|--------------|---------|--------------|---------|--------------|------------|
|                        | Case φD (mm) | ESR (Ω) | Case φD (mm) | ESR (Ω) | Case φD (mm) | ESR (Ω) | Case φD (mm) | ESR (Ω) | Case φD (mm) | ESR (Ω) | Case φD (mm) | ESR (Ω) | Case φD (mm) | ESR (Ω)    |
| 0.1                    | —            | —       | —            | —       | —            | —       | —            | —       | —            | —       | —            | —       | 3            | B55 1990 1 |
| 0.22                   | —            | —       | —            | —       | —            | —       | —            | —       | —            | —       | —            | —       | 3            | B55 905 2  |
| 0.33                   | —            | —       | —            | —       | —            | —       | —            | —       | —            | —       | —            | —       | 4            | — 754 5    |
| 0.47                   | —            | —       | —            | —       | —            | —       | —            | —       | —            | —       | —            | —       | 3            | B55 603 3  |
| 1                      | —            | —       | —            | —       | —            | —       | —            | —       | —            | —       | —            | —       | 4            | — 503 6    |
| 2.2                    | —            | —       | —            | —       | —            | —       | —            | —       | —            | —       | —            | —       | 3            | B55 424 4  |
| 3.3                    | —            | —       | —            | —       | —            | —       | —            | —       | —            | —       | —            | —       | 4            | — 353 7    |
| 4.7                    | —            | —       | —            | —       | —            | —       | —            | —       | —            | —       | —            | —       | 3            | B55 199 6  |
| 10                     | —            | —       | —            | —       | —            | —       | —            | —       | —            | —       | —            | —       | 4            | — 166 10   |
| 22                     | —            | —       | —            | —       | —            | —       | —            | —       | —            | —       | —            | —       | 3            | B55 106 8  |
| 33                     | —            | —       | —            | —       | —            | —       | —            | —       | —            | —       | —            | —       | 3            | B55 70 9   |
| 47                     | —            | —       | —            | —       | —            | —       | —            | —       | —            | —       | —            | —       | 4            | — 42 20    |
| 100                    | —            | —       | —            | —       | —            | —       | —            | —       | —            | —       | —            | —       | 5            | — 35 26    |
| 220                    | —            | —       | —            | —       | —            | —       | —            | —       | —            | —       | —            | —       | 4            | — 166 10   |

(Note) Rated ripple current : 85°C, 120Hz ; ESR : 20°C, 120Hz

单击下面可查看定价，库存，交付和生命周期等信息

[>>ELNA\(伊娜\)](#)