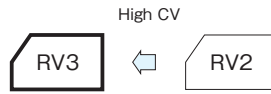


### Chip Type 85°C Capacitors (height:5.5mm,8.0mm)

GREEN CAP
SMD
Anti-cleaning solvent

- Compatible with surface mounting for 5.5mm, 8.0mm high capacitors.
- Supplied with carrier taping.
- Guarantees 2000 hours at 85°C.

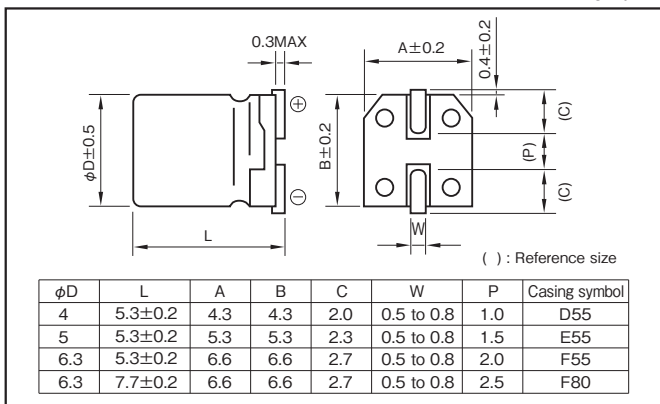


Marking color : Black print

### 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)  | 6.3   | 10   | 16   | 25   | 35   | 50   |
|  | tanδ (max.)  | 0.42  | 0.32 | 0.26 | 0.18 | 0.14 | 0.12 |
| Characteristics at high and low temperature  | Rated voltage (V)  | 6.3   | 10   | 16   | 25   | 35   | 50   |
|  | Impedance ratio (max.)   | Z-25°C/Z+20°C                               | 4    | 3    | 2    | 2    | 2    |
|  |  | Z-40°C/Z+20°C                               | 8    | 8    | 5    | 5    | 4    |
| Endurance (85°C)<br>(Applied ripple current) | Test time  | 2000 hours                                  |      |      |      |      |      |
|  | Leakage current  | The initial specified value or less         |      |      |      |      |      |
|  | Percentage of capacitance change   | Within ±30% of initial value                |      |      |      |      |      |
|  | Tangent of the loss angle  | 300% or less of the initial specified value |      |      |      |      |      |
| Shelf life (85°C)                            | Test time : 1000 hours ; 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



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

### Coefficient of Frequency for Rated Ripple Current

| Rated voltage (V) | Frequency (Hz) |     |      |          |
|-------------------|----------------|-----|------|----------|
|                   | 50             | 120 | 1k   | 10k·100k |
| 6.3 to 16         | 0.80           | 1   | 1.15 | 1.25     |
| 25 to 35          | 0.80           | 1   | 1.25 | 1.40     |
| 50                | 0.70           | 1   | 1.35 | 1.50     |

### Part numbering system (example : 16V220µF)

|             |   |                      |   |                          |                              |               |   |   |               |
|-------------|---|----------------------|---|--------------------------|------------------------------|---------------|---|---|---------------|
| RV3         | — | 16                   | V | 221                      | M                            | F80           | U | — | □             |
| Series code |   | Rated voltage symbol |   | Rated capacitance symbol | Capacitance tolerance symbol | Casing symbol |   |   | Taping symbol |

### Standard Ratings

| Rated capacitance (µF) | Item    | 6.3     |     |                      | 10      |     |                      | 16      |     |                      | 25      |     |                      | 35      |     |                      | 50      |     |                      |
|------------------------|---------|---------|-----|----------------------|---------|-----|----------------------|---------|-----|----------------------|---------|-----|----------------------|---------|-----|----------------------|---------|-----|----------------------|
|                        |         | Case    | ESR | Rated ripple current | Case    | ESR | Rated ripple current | Case    | ESR | Rated ripple current | Case    | ESR | Rated ripple current | Case    | ESR | Rated ripple current | Case    | ESR | Rated ripple current |
|                        |         | φD (mm) | (Ω) | (mAmps)              | φD (mm) | (Ω) | (mAmps)              | φD (mm) | (Ω) | (mAmps)              | φD (mm) | (Ω) | (mAmps)              | φD (mm) | (Ω) | (mAmps)              | φD (mm) | (Ω) | (mAmps)              |
| 4.7                    | —       | —       | —   | —                    | —       | —   | —                    | —       | —   | —                    | —       | —   | —                    | —       | —   | 4×5.3                | 42      | 20  |                      |
| 10                     | —       | —       | —   | —                    | —       | —   | —                    | —       | —   | —                    | —       | —   | —                    | —       | —   | 5×5.3                | 20      | 34  |                      |
| 22                     | —       | —       | —   | 4×5.3                | 24      | 26  | 4×5.3                | 20      | 30  | 5×5.3                | 14      | 43  | 5×5.3                | 11      | 47  | 6.3×5.3              | 9.0     | 59  |                      |
| 33                     | 4×5.3   | 21      | 28  | 4×5.3                | 16      | 33  | 5×5.3                | 13      | 44  | 5×5.3                | 9.0     | 54  | 6.3×5.3              | 7.0     | 67  | 6.3×7.7              | 6.0     | 82  |                      |
| 47                     | 4×5.3   | 15      | 34  | 5×5.3                | 11      | 45  | 5×5.3                | 9.2     | 50  | 6.3×5.3              | 6.4     | 75  | 6.3×7.7              | 4.9     | 90  | 6.3×7.7              | 4.2     | 98  |                      |
| 68                     | 5×5.3   | 10      | 47  | 5×5.3                | 7.8     | 54  | 6.3×5.3              | 6.3     | 74  | 6.3×5.3              | 4.4     | 90  | 6.3×7.7              | 3.4     | 109 | —                    | —       | —   |                      |
| 100                    | 5×5.3   | 7.0     | 58  | —                    | —       | —   | 6.3×5.3              | 4.3     | 103 | 6.3×7.7              | 3.0     | 124 | —                    | —       | —   | —                    | —       | —   |                      |
| 150                    | 6.3×5.3 | 4.6     | 83  | 6.3×7.7              | 3.5     | 98  | 6.3×7.7              | 2.9     | 109 | —                    | —       | —   | —                    | —       | —   | —                    | —       | —   |                      |
| 220                    | 6.3×7.7 | 3.2     | 113 | 6.3×7.7              | 2.4     | 130 | 6.3×7.7              | 2.0     | 144 | —                    | —       | —   | —                    | —       | —   | —                    | —       | —   |                      |
| 330                    | 6.3×7.7 | 2.1     | 139 | —                    | —       | —   | —                    | —       | —   | —                    | —       | —   | —                    | —       | —   | —                    | —       | —   |                      |

(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

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