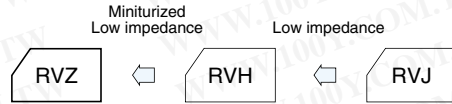


Chip Type, 105°C Use, Low Impedance Capacitors Series RVZ

- Compatible with surface mounting.
- Supplied with carrier taping.
- Guarantees 2000 hours at 105°C.



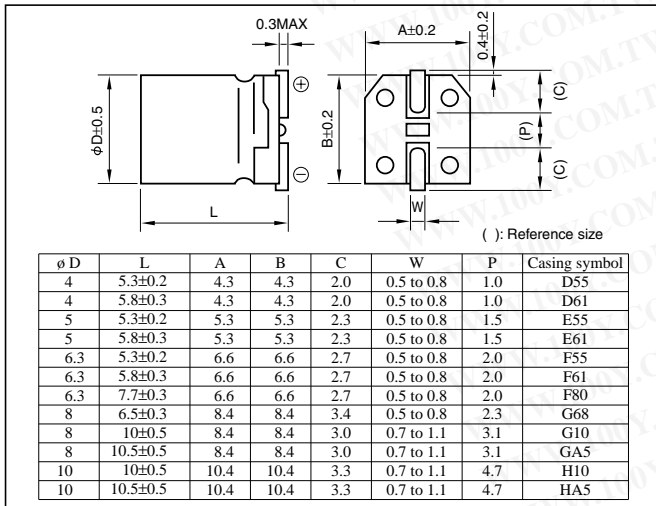
Marking color : Black print (ø4x5.3L - ø8x6.5L)
White print on a brown sleeve (ø8x10L · ø10x10L)

Specifications

| Item | Performance | | | | | |
|---|---|---|------|------|------|------|
| Category temperature range (°C) | -55 to +105 | | | | | |
| 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 |
| | tanδ (max.) | 0.28 | 0.24 | 0.20 | 0.16 | 0.14 |
| Characteristics at high and low temperature | Impedance ratio (max.) | Z-25°C / Z+20°C | 4 | 3 | 2 | 2 |
| | | Z-55°C / Z+20°C | 8 | 5 | 4 | 3 |
| Endurance (105°C) (Applied ripple current) | Test time | 2000 hours (8x6.5 or less; 1000 hours) | | | | |
| | Leakage current | The initial specified value or less | | | | |
| | Percentage of capacitance change | Within ±25% of initial value | | | | |
| | Tangent of the loss angle | 200% or less of the initial specified value | | | | |
| Shelf life (105°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 1998 (IEC 60384-1 1992, -18 1993) | | | | | |

Outline Drawing

Unit: mm



Coefficient of Frequency for Rated Ripple Current

| Rated voltage(V) | Frequency(Hz) | | | |
|------------------|---------------|------|-----|------|
| | 120 | 1k | 10k | 100k |
| 6.3 to 35 | 0.5 | 0.75 | 0.9 | 1.0 |

Part numbering system (example: 6.3V1500µF)

| Environmental item | RVZ | 6 | V | 152 | M | HA5 | U |
|--------------------|-------------|----------------------|---|--------------------------|------------------------------|---------------|-------------------|
| | Series code | Rated voltage symbol | | Rated capacitance symbol | Capacitance tolerance symbol | Casing symbol | Additional symbol |
| Former item | RVZ | 6 | V | 152 | M | HA5 | U |
| | Series code | Rated voltage symbol | | Rated capacitance symbol | Capacitance tolerance symbol | Casing symbol | Additional symbol |

- Soldering conditions and land size are described on page 14.
- The taping specifications are described on page 15.

勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-54151736
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

Standard Ratings

| Rated voltage (V) | Item | 6.3 | | | | 10 | | | | 16 | | | | 25 | | | | 35 | | | |
|-------------------|---------|-----------------|------------------|----------------|------------------------------------|-----------------|------------------|----------------|------------------------------------|-----------------|------------------|----------------|------------------------------------|-----------------|------------------|----------------|------------------------------------|-----------------|------------------|----------------|------------------------------------|
| | | Case ø D(mm) | Casing symbol | Impedance Ω | Rated ripple current mA Arms | Case ø D(mm) | Casing symbol | Impedance Ω | Rated ripple current mA Arms | Case ø D(mm) | Casing symbol | Impedance Ω | Rated ripple current mA Arms | Case ø D(mm) | Casing symbol | Impedance Ω | Rated ripple current mA Arms | Case ø D(mm) | Casing symbol | Impedance Ω | Rated ripple current mA Arms |
| 4.7 | — | — | — | — | — | — | — | — | — | — | — | — | 4x5.3 | D55 | 3.20 | 65 | 4x5.3 | D55 | 3.20 | 65 | |
| 10 | — | — | — | — | 4x5.3 | D55 | 3.20 | 65 | 4x5.3 | D55 | 3.20 | 65 | 4x5.8 | D61 | 1.80 | 80 | 5x5.3 | E55 | 1.50 | 110 | |
| | — | — | — | — | — | — | — | — | — | — | — | — | 5x5.3 | E55 | 1.50 | 110 | 5x5.8 | E61 | 0.76 | 150 | |
| 15 | — | — | — | — | — | — | — | — | 4x5.8 | D61 | 1.80 | 80 | 5x5.8 | E61 | 0.76 | 150 | 5x5.8 | E61 | 0.76 | 150 | |
| 22 | 4x5.3 | D55 | 3.20 | 65 | 4x5.8 | D61 | 1.80 | 80 | 5x5.3 | E55 | 1.50 | 110 | 5x5.8 | E61 | 0.76 | 150 | 6.3x5.3 | F55 | 0.85 | 170 | |
| | 4x5.8 | D61 | 1.80 | 80 | 5x5.3 | E55 | 1.50 | 110 | 5x5.8 | E61 | 0.76 | 150 | 6.3x5.3 | F55 | 0.85 | 170 | 6.3x5.3 | F55 | 0.85 | 170 | |
| 33 | 5x5.3 | E55 | 1.50 | 110 | 5x5.3 | E55 | 1.50 | 110 | 6.3x5.3 | F55 | 0.85 | 170 | 6.3x5.3 | F55 | 0.85 | 170 | 6.3x5.3 | F55 | 0.85 | 170 | |
| | 5x5.8 | E61 | 0.76 | 150 | 5x5.8 | E61 | 0.76 | 150 | 6.3x5.8 | F61 | 0.44 | 230 | 6.3x5.8 | F61 | 0.44 | 230 | 6.3x5.8 | F61 | 0.44 | 230 | |
| 47 | 5x5.3 | E55 | 1.50 | 110 | 6.3x5.3 | F55 | 0.85 | 170 | 6.3x5.3 | F55 | 0.85 | 170 | 6.3x5.3 | F55 | 0.85 | 170 | 6.3x5.8 | F61 | 0.44 | 230 | |
| | 5x5.8 | E61 | 0.76 | 150 | 6.3x5.8 | F61 | 0.44 | 230 | 6.3x5.8 | F61 | 0.44 | 230 | 6.3x5.8 | F61 | 0.44 | 230 | 6.3x7.7 | F80 | 0.34 | 280 | |
| 68 | 6.3x5.8 | F61 | 0.44 | 230 | 6.3x5.8 | F61 | 0.44 | 230 | 6.3x5.8 | F61 | 0.44 | 230 | 6.3x5.8 | F61 | 0.44 | 230 | 8x6.5 | G68 | 0.34 | 280 | |
| | 6.3x5.3 | F55 | 0.85 | 170 | 6.3x5.3 | F55 | 0.85 | 170 | 6.3x5.3 | F55 | 0.85 | 170 | 6.3x7.7 | F80 | 0.34 | 280 | 8x6.5 | G68 | 0.34 | 280 | |
| 100 | 6.3x5.8 | F61 | 0.44 | 230 | 6.3x5.8 | F61 | 0.44 | 230 | 6.3x5.8 | F61 | 0.44 | 230 | 8x6.5 | G68 | 0.34 | 280 | 8x10 | G10 | 0.20 | 450 | |
| | 6.3x5.3 | F55 | 0.85 | 170 | 6.3x5.3 | F55 | 0.85 | 170 | 8x6.5 | G68 | 0.34 | 280 | 8x6.5 | G68 | 0.34 | 280 | 8x10.5 | GA5 | 0.17 | 450 | |
| 150 | 6.3x5.8 | F61 | 0.44 | 230 | 6.3x5.8 | F61 | 0.44 | 230 | 6.3x7.7 | F80 | 0.34 | 280 | 8x10 | G10 | 0.20 | 450 | 8x10.5 | GA5 | 0.17 | 450 | |
| | 6.3x5.8 | F61 | 0.44 | 230 | 6.3x5.8 | F61 | 0.44 | 230 | 8x6.5 | G68 | 0.34 | 280 | 8x10.5 | GA5 | 0.17 | 450 | 10x10 | H10 | 0.10 | 670 | |
| 220 | 6.3x5.8 | F61 | 0.44 | 230 | 6.3x7.7 | F80 | 0.34 | 280 | 6.3x7.7 | F80 | 0.34 | 280 | 8x10.5 | GA5 | 0.17 | 450 | 8x10.5 | GA5 | 0.17 | 450 | |
| | 6.3x7.7 | F80 | 0.34 | 280 | 8x6.5 | G68 | 0.34 | 280 | 8x10 | G10 | 0.20 | 450 | 8x10 | G10 | 0.20 | 450 | 10x10 | H10 | 0.10 | 670 | |
| 330 | 6.3x7.7 | F80 | 0.34 | 280 | 8x10.5 | GA5 | 0.17 | 450 | 8x10.5 | GA5 | 0.17 | 450 | 8x10.5 | GA5 | 0.17 | 450 | 10x10.5 | HA5 | 0.09 | 670 | |
| | 8x6.5 | G68 | 0.34 | 200 | 10x10 | H10 | 0.10 | 670 | 10x10 | H10 | 0.10 | 670 | 10x10 | H10 | 0.10 | 670 | — | — | — | — | |
| 470 | 8x10.5 | GA5 | 0.17 | 450 | 8x10.5 | GA5 | 0.17 | 450 | 8x10.5 | GA5 | 0.17 | 450 | 10x10.5 | HA5 | 0.09 | 670 | — | — | — | — | |
| | 10x10 | H10 | 0.10 | 670 | 10x10 | H10 | 0.10 | 670 | 10x10 | H10 | 0.10 | 670 | — | — | — | — | — | — | — | — | |
| 680 | 8x10.5 | GA5 | 0.17 | 450 | 10x10.5 | HA5 | 0.09 | 670 | 10x10.5 | HA5 | 0.09 | 670 | — | — | — | — | — | — | — | — | |
| 1000 | 8x10.5 | GA5 | 0.17 | 450 | 10x10.5 | HA5 | 0.09 | 670 | — | — | — | — | — | — | — | — | — | — | — | — | |
| | 10x10 | H10 | 0.10 | 670 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| 1500 | 10x10.5 | HA5 | 0.09 | 670 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |

(Note) Rated ripple current : 105°C, 100kHz ; Impedance : 20°C, 100kHz

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