# RZK, RMK ★NEW VERTICAL CHIP TYPE ALUMINUM ELECTROLYTIC CAPACITORS

ELNA

## Chip Type, 105°C Use, Low ESR, High CV Capacitors

GREEN CAP | SMD | Low ESR | 105°C 2000hours | Anti-cleaning solvent

- Compatible with surface mounting.
- Supplied with carrier taping.
- Guaranteed 2000 hours at 105℃.

High CV

RZK ⇦ RZD

Marking color : Black print

### Specifications

| Item | Performance |
|---|---|
| Category temperature range (℃) | − 55 to + 105 |
| Tolerance at rated capacitance (%) | ± 20 (20℃, 120Hz) |
| Leakage current (μA) (max.) | 0.01CV or 3 whichever is larger (after 2 minutes) C : Rated capacitance (μF) ; V : Rated voltage (V) (20℃) |
| Tangent of loss angle (tanδ) | Rated voltage (V): 25 / 35 ; tanδ (max.): 0.14 / 0.12 ; 0.02 is added to every 1000μF increase over 1000μF (20℃, 120Hz) |
| Characteristics at high and low temperature | Rated voltage (V): 25 / 35 ; Impedance ratio (max.) Z− 25℃ / Z+ 20℃: 2 / 2 ; Z− 40℃ / Z+ 20℃: 3 / 3 ; Z− 55℃ / Z+ 20℃: 3 / 3 (120Hz) |
| Endurance (105℃) (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: 200% or less of the initial specified value |
| Shelf life (105℃) | 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, -18 (IEC 60384-1, -18) |

### Coefficient of Frequency for Rated Ripple Current

| Rated voltage (V) \ Frequency (Hz) | 50・60 | 120 | 1k | 10k・100k |
|---|---|---|---|---|
| 25 to 35 | 0.50 | 0.50 | 0.75 | 1 |

Refer to individual page.
(Soldering conditions, Land pattern size, The taping specifications)

### Part numbering system

Standard Type (example : 35V680μF)

| RZK | — | 35 | V | 681 | M | H10 | U | — | □ |
|---|---|---|---|---|---|---|---|---|---|
| Series code | | Rated voltage symbol | | Rated capacitance symbol | Capacitance tolerance symbol | Casing symbol | | | Taping symbol |

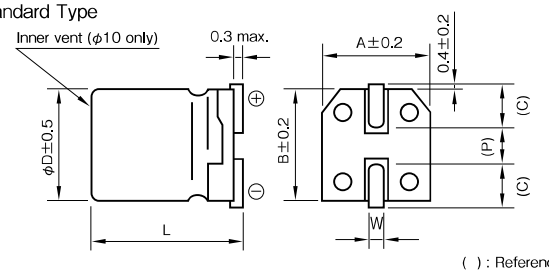
For Vibration Resistance Type (example : 35V680μF)

| RMK | — | 35 | V | 681 | M | H10 | U | — | □ |
|---|---|---|---|---|---|---|---|---|---|
| Series code | | Rated voltage symbol | | Rated capacitance symbol | Capacitance tolerance symbol | Casing symbol | | | Taping symbol |

### Outline Drawing

Unit : mm

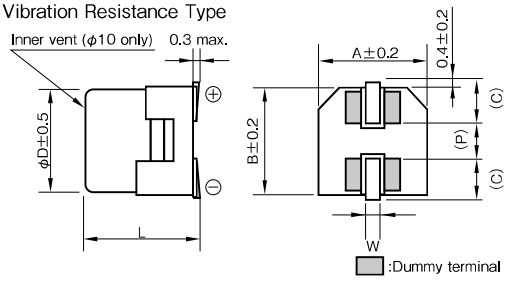
Standard Type




( ) : Reference size

| φD | L | A | B | C | W | P | Casing symbol |
|---|---|---|---|---|---|---|---|
| 8 | 10 ± 0.5 | 8.4 | 8.4 | 3.0 | 0.7 to 1.1 | 3.1 | G10 |
| 10 | 10 ± 0.5 | 10.4 | 10.4 | 3.3 | 0.7 to 1.1 | 4.7 | H10 |

For Vibration Resistance Type




### Standard Ratings

| Rated voltage (V) / Item / Rated capacitance (μF) | 25 Case φD × L (mm) | 25 Casing symbol | 25 ESR (Ω max.) | 25 Rated ripple current (mArms) | 35 Case φD × L (mm) | 35 Casing symbol | 35 ESR (Ω max.) | 35 Rated ripple current (mArms) |
|---|---|---|---|---|---|---|---|---|
| 470 | — | — | — | — | 8 × 10 | G10 | 0.08 | 850 |
| 560 | 8 × 10 | G10 | 0.08 | 850 | — | — | — | — |
| 680 | — | — | — | — | 10 × 10 | H10 | 0.06 | 1190 |
| 1000 | 10 × 10 | H10 | 0.06 | 1190 | — | — | — | — |

(Note) Rated ripple current : 105℃, 100kHz
ESR : 20℃, 100kHz

NOTE : Design, Specifications are subject to change without notice.
It is recommended that you shall obtain technical specifications from ELNA to ensure that the component is suitable for your use.