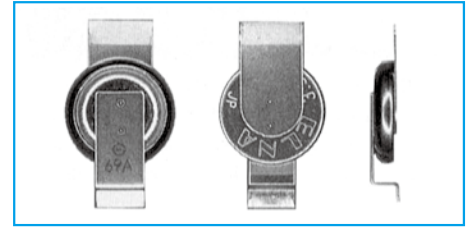
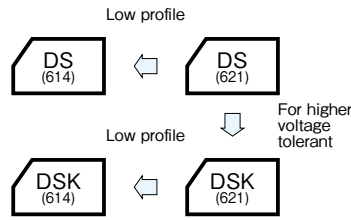


Coin Cell Capacitors



- Reflow soldering method available.
- Unlike batteries, the number of charging/ discharging cycles unlimited and rapid charging/ discharging is possible.
- Unlike batteries, excellent charge and discharge characteristics with no chemical reactions.
- 1.8mm height type 614 made lineup in the DS, DSK series.



Specifications

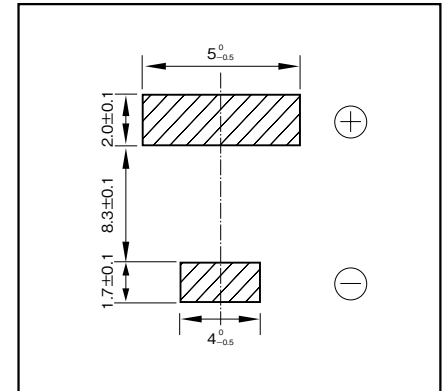
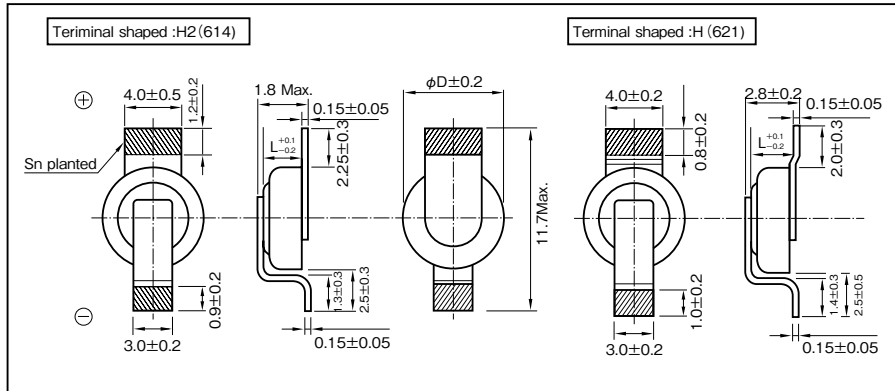
| Item | Performance | | | | | |
|---|--|---|---|----------------------------------|---|---|
| | Series DS | | | Series DSK | | |
| Series Name | Series DS | | | Series DSK | | |
| Max. operating voltage (V) | 2.5 | | | 3.3 | | |
| Category temperature range (°C) | -25 to +70 | | | -10 to +60 | | |
| Tolerance at rated capacitance (%) | -20 to +80 | | | -20 to +80 | | |
| Internal resistance (Ω) at 1 kHz | Size code | 614 | 621 | Size code | 614 | 621 |
| | Rated capacitance (F) | 0.2 | 0.33 | Rated capacitance (F) | 0.2 | 0.33 |
| | Internal resistance (Ω Max.) | 100 | 100 | Internal resistance (Ω Max.) | 200 | 200 |
| Characteristics at high and low temperature | Size code | 614 | 621 | Size code | 614 | 621 |
| | Percentage of capacitance change | Within ±30% of the value at 20°C | Within ±30% of the value at 20°C | Percentage of capacitance change | Within ±50% of the value at 20°C | Within ±50% of the value at 20°C |
| | Internal resistance | Less than five times of the value at 20°C | Less than five times of the value at 20°C | Internal resistance | Less than five times of the initial specified value | Less than five times of the value at 20°C |
| Endurance | Size code | 614 | 621 | Size code | 614 | 621 |
| | Test time and temp. | 70°C 1000 hours | 70°C 500 hours | Test time and temp. | 60°C 1000 hours | 60°C 500 hours |
| | Percentage of capacitance change | Within ±30% of the initial measured value | Within ±30% of the initial measured value | Percentage of capacitance change | Within ±30% of the initial measured value | Within ±30% of the initial measured value |
| | Internal resistance | 1kΩ Max. | 400Ω Max. | Internal resistance | 2kΩ Max. | 800Ω Max. |
| Shelf life | Same as endurance. | | | Same as endurance. | | |
| Applicable standards | Conforms to JIS C5160-1 2009(IEC 62391-1 2006) | | | | | |

Outline Drawing

Unit : mm

Recommended land pattern size

Unit : mm



*Please consult with us about other terminal form.

| | | | | | | |
|---|-------------------------------|--------------------------|-------------------|-----------------|---------------|--------|
| Part numbering system (example : 614, 2.5V0.2F, terminal shaped : H2) | | | | | | |
| DS | — | 2R5 | H | 204 | T614 | — H2 L |
| Series code | Max. operating voltage symbol | Rated capacitance symbol | Additional symbol | Terminal shaped | Taping symbol | |

Part number is refer to following table.

| | | | | | | |
|---|-------------------------------|--------------------------|-------------------|-----------------|---------------|-------|
| Part numbering system (example: 621, 3.3V0.33F, terminal shaped: H) | | | | | | |
| DSK | — | 3R3 | H | 334 | T | — H L |
| Series code | Max. operating voltage symbol | Rated capacitance symbol | Additional symbol | Terminal shaped | Taping symbol | |

Part number is refer to following table.

Standard Ratings

| Max. operating voltage (V) | Rated capacitance (F) | ELNA Parts No. | φD×L (mm) |
|----------------------------|-----------------------|---------------------|-----------|
| 2.5 | 0.2 | DS-2R5H204T614-H2L | 6.8×1.4 |
| 3.3 | 0.2 | DSK-3R3H204T614-H2L | 6.8×1.4 |
| 2.5 | 0.33 | DS-2R5H334T-HL | 6.8×2.1 |
| 3.3 | 0.33 | DSK-3R3H334T-HL | 6.8×2.1 |

* Soldering conditions are described on page 191.