

Stacked Coin Type

Series : **SG** Low temperature assured product



Features

- Endurance : +70 °C 1000 h
- Category temperature range : -40 °C to +70 °C
- Maximum height of 6.5 mm (H Terminal)
- RoHS compliant

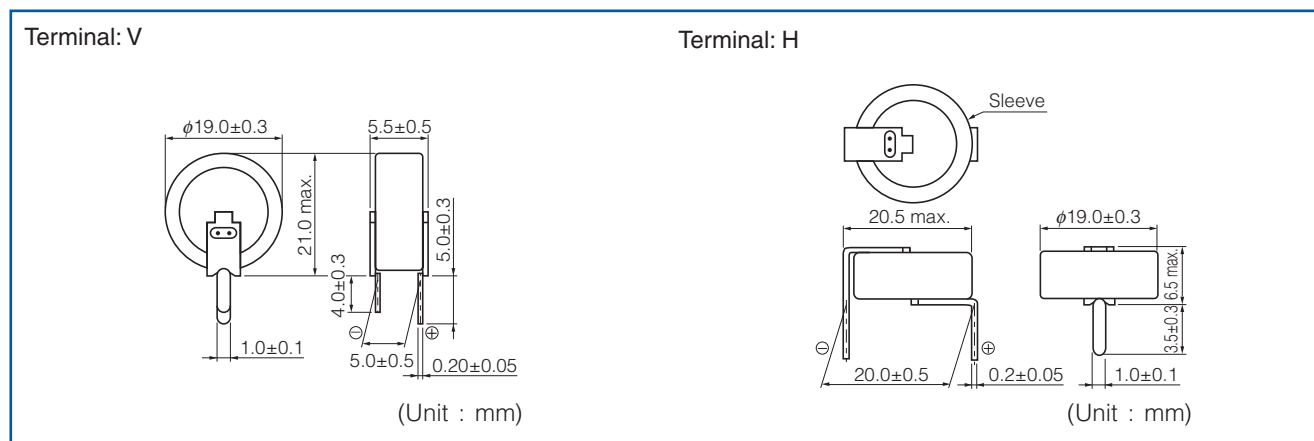
Recommended applications

- Memory back-up for video and audio equipment, cameras, telephones, printers, data terminals, rice cookers and intelligent remote controls

Specifications

| | | |
|------------------------------------|---|---|
| Category temp. range | -40 °C to +70 °C | |
| Maximum operating voltage | 5.5 V.DC | |
| Nominal cap.range | 0.47 F to 1.5 F | |
| Characteristics at low temperature | Capacitance change | ±30 % of initial measured value at +20 °C (at -40 °C) |
| | Internal resistance | ≤ 7 times of initial measured value at +20 °C (at -40 °C) |
| Endurance | After 1000 hours application of 5.5 V.DC at +70 °C, the capacitor shall meet the following limits. | |
| | Capacitance change | ±30 % of initial measured value |
| Shelf life | After 1000 hours storage at +70 °C without load, the capacitor shall meet the specified limits for Endurance. | |

Dimensions in mm(not to scale)



Characteristics list

| Category temp. range (°C) | Maximum operating voltage (V.DC) | Capacitance (F) | Capacitance tolerance (F) | Internal resistance (Initial specified value) (Ω) at 1 kHz | Recommended *1 discharge current (mA) | Parts number | Mass (Reference value) (g) | Min. packaging q'ty (pcs) |
|---------------------------|----------------------------------|-----------------|---------------------------|--|---------------------------------------|----------------|----------------------------|---------------------------|
| -40 to +70 | 5.5 | 0.47 | 0.376 to 1.41 | ≤ 30 | 1 or less | EECS5R5()474N | 4.1 | 100 |
| | | 1.0 | 0.80 to 1.80 | ≤ 30 | 1 or less | EECS5R5()105N | 4.1 | 100 |
| | | 1.5 | 1.20 to 2.70 | ≤ 30 | 1 or less | EECS5R5()155N | 4.2 | 100 |

() Please use V or H, to indicate the terminal style.

*1 The recommended discharge current is a reference value. Please design your equipment(circuit) in consideration of IR drop.

Do not use reflow soldering. Please refer to the page of "Application guidelines".