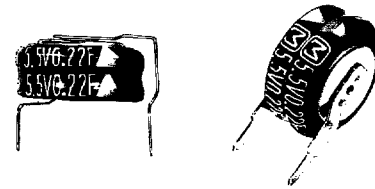


Gold Capacitor Series SD

Features

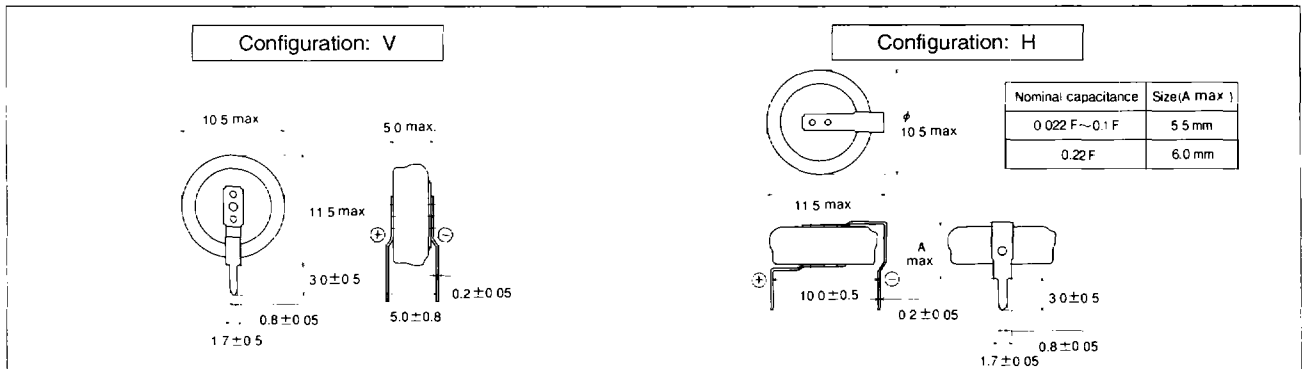
- 30 % smaller than series SG
Terminal V : 15 % low profile
Terminal H : 25 % less area on PCB
- Terminal solderability 95 %
- Longer life than a secondary battery
- Best choice for μA range IC memory back-up



Specifications

| Item | Performance Characteristics | | |
|---|--|---------------------|---|
| Operating Temperature Range | -25 to +70 °C | | |
| Rated Working Voltage | 5.5 V DC | | |
| Nominal Capacitance Range | 0.022 F to 0.22 F | | |
| Capacitance Tolerance | -20 % to +80 % | | |
| Internal Resistance | Refer to "Standard products table" for each value | | |
| Characteristics at High and Low Temperature | -25 °C & +70 °C | Capacitance change | +30 % of the measured value at +20 °C |
| | -25 °C | Internal resistance | ≤ 5 times the measured value at +20 °C |
| Endurance | The capacitor shall meet the following limits after 1000 hours application of 5.5 V DC at +70 °C. Capacitance change : ± 30 % of the initial measured value Internal resistance : ≤ 4 times the initial specified value | | |
| Shelf Life | The capacitor shall meet the limits for "Endurance" after 1000 hours exposure at +70 °C with no voltage applied. | | |
| Moisture Resistance | The capacitor shall meet the limits specified for "Endurance" after 500 hours exposure at +55 °C/90 to 95 % R.H., with 5.5 V DC applied. | | |

Dimensions in mm (not to scale)



Standard Products

| Rated working voltage [V.DC] | Nominal capacitance [F] | Part number* | Internal resistance [Ω] at 1 kHz |
|------------------------------|-------------------------|--------------|---|
| 5.5 | 0.022 | EECS0HD233 | ≤ 150 |
| | 0.047 | EECS0HD473 | ≤ 120 |
| | 0.10 | EECS0HD104 | ≤ 75 |
| | 0.22 | EECS0HD224 | ≤ 75 |

* \square = V (Configuration: V) or H (Configuration: H)

Design, Specifications are subject to change without notice. Ask factory for technical specifications before purchase and/or use. Whenever a doubt about safety arises from this product, please inform us immediately for technical consultation without fail.