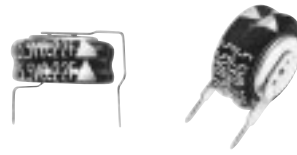


Stacked Coin Type

Series: **SD**

■ Features

- Endurance : 70 °C 1000 h
- RoHS directive compliant



■ Recommended Applications

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

■ Specifications

| | | |
|------------------------------------|--|--|
| Category Temp. Range | -25 °C to +70 °C | |
| Maximum Operating Voltage | 5.5 V.DC | |
| Nominal Cap.Range | 0.022 F to 0.33 F | |
| Characteristics at Low Temperature | Capacitance change | ±30 % of initial measured value at +20 °C (-25 °C to +70 °C) |
| | Internal resistance | ≤5 times of initial measured value at +20 °C (at -25 °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 |
| | Internal resistance | ≤4 times of initial specified 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)

Terminal: V

| Cap. (F) | B |
|---------------|-----|
| 0.022 to 0.22 | 5.0 |
| 0.33 | 5.5 |

Terminal: H

| Cap. (F) | A |
|--------------|-----|
| 0.022 to 0.1 | 5.5 |
| 0.22 | 6.0 |
| 0.33 | 6.5 |

■ Standard Products

| Maximum Operating Voltage (V.DC) | Capacitance (F) | Capacitance range (F) | Internal resistance (Ω) at 1kHz | Part number | Min. Packaging Q'ty (pcs) |
|----------------------------------|-----------------|-----------------------|---------------------------------|----------------|---------------------------|
| 5.5 | 0.022 | 0.0176 to 0.0396 | ≤ 150 | EECS0HD 223() | 200 |
| | 0.047 | 0.0376 to 0.0846 | ≤ 120 | EECS0HD 473() | 200 |
| | 0.10 | 0.080 to 0.180 | ≤ 75 | EECS0HD 104() | 200 |
| | 0.22 | 0.176 to 0.396 | ≤ 75 | EECS0HD 224() | 200 |
| | 0.33 | 0.264 to 0.594 | ≤ 75 | EECS0HD 334() | 200 |

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

Note : Do not use reflow soldering. (IR, Atmosphere heating methods, etc.)

Please refer to P197 "Mounting Specifications".