

### Stacked Coin Type

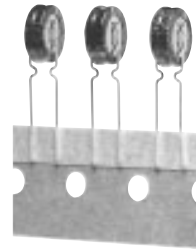
Series: **SE**

#### ■ Features

- Endurance : 70 °C 1000 h
- Automatic insertion available
- RoHS directive compliant

#### ■ Recommended Applications

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

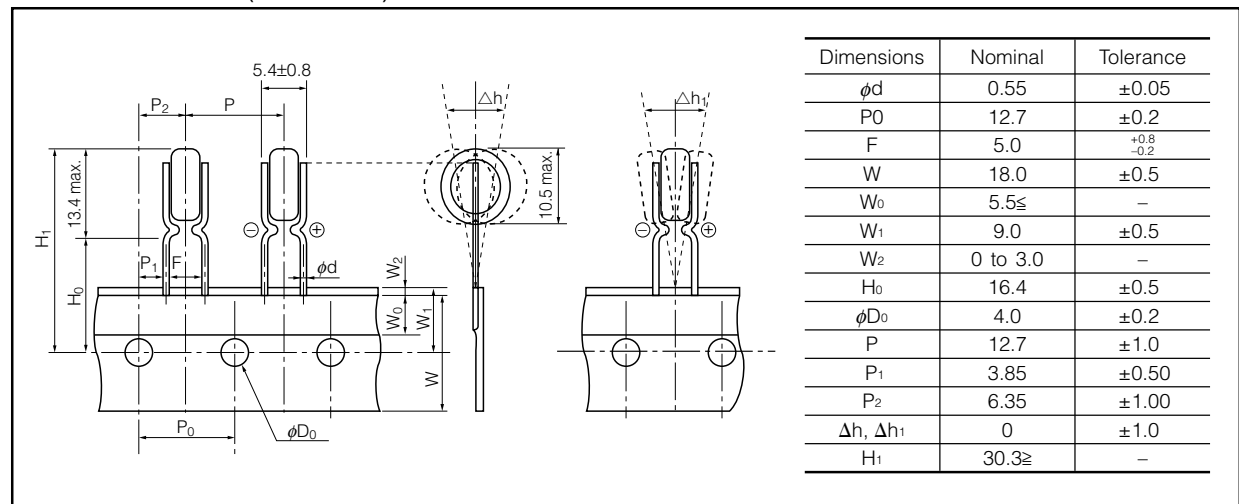


#### ■ Specifications

Category Temp. Range	-25 °C to +70 °C	
Maximum Operating Voltage	5.5 V.DC	
Nominal Cap.Range	0.022 F to 0.22 F	
Characteristics at Low Temperature	Capacitance change	±30 % of initial measured value at +20 °C (at -25 °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)

(Unit : mm)



#### ■ Standard Products

Maximum Operating Voltage (V.DC)	Capacitance (F)	Capacitance tolerance (F)	Internal resistance (Initial specified value) (Ω) at 1kHz	Part number	Min. Packaging Q'ty (pcs)
5.5	0.022	0.0176 to 0.0396	≤ 150	EECSE0H223	1000
	0.047	0.0376 to 0.0846	≤ 120	EECSE0H473	1000
	0.10	0.080 to 0.180	≤ 75	EECSE0H104	1000
	0.22	0.176 to 0.396	≤ 75	EECSE0H224	1000

Note: 1. When ordering please observe the minimum packaging quantity.

2. When the surface mount component goes through UV or a heat oven to affix the adhesive glue, the capacitor's surface temperature should not exceed 100 °C for more than 60 seconds (maximum temperature should not exceed 105 °C)

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

Please refer to EE208 "Mounting Specifications".

Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use. Should a safety concern arise regarding this product, please be sure to contact us immediately.

00 Sep. 2010