

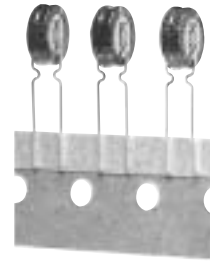
Stacked coin Type

Series: SE

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

Country of Origin

Japan



- Recommended Applications

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

- Specifications

Category temp. range	-25 to +70°C	
Maximum Operating Voltage	5.5 V .DC	
Nominal Cap. Range	0.022 to 0.22 F	
Characteristics at Low Temperature	Capacitance change	±30% of initial measured value at +20°C (-25 to +70°C)
	Internal resistance	≤ 5 times of initial measured value at +20°C (at -25°C)
Endurance	After 1000 hours application of 5.5V. 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.	
Moisture Resistance	After 500 hours storage at +55°C, 90 to 95% R.H., the capacitor shall meet the specified limits for Endurance.	

- Dimensions in mm (not to scale)

Dimensions	Nominal	Tolerance
φd	0.55	± 0.05
P ₀	12.7	± 0.2
F	5.0	$\begin{matrix} +0.8 \\ -0.2 \end{matrix}$
W	18.0	±0.5
W ₀	5.5≤	-
W ₁	9.0	±0.5
W ₂	0 to 3.0	-
H	18.0	±0.5
φD ₀	4.0	±0.2
P	12.7	±1.0
P ₁	3.85	±0.50
P ₂	6.35	±1.00
Δh, Δh ₁	0	±1.0
H ₁	28.5≤	-

※Expected dimensions of the capacitor above the board after soldering

- Standard Products

Maximum Operating Voltage (V.DC)	Capacitance (F)	Capacitance range (F)	Internal resistance (Ω) at 1kHz	Part number	Min. Packaging Qty (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.)

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