

### Stacked Coin Type

Series: **RF**

#### ■ Features

- Endurance: 85 °C 2000 h
- -40 °C guarantee
- RoHS directive compliant

#### ■ Recommended Applications

- Backup of data/RTC of base station, electronic meter, and industrial equipment

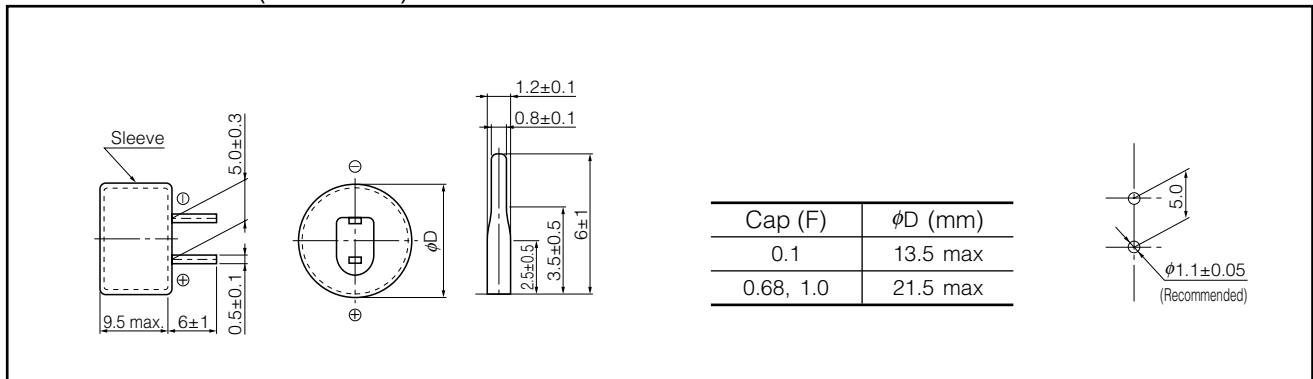


#### ■ Specifications

Category temp. range		-40 °C to +85 °C	
Maximum operating voltage		5.5 V DC	
Nominal capacitance		0.1 F	0.68 F, 1.0 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)
After 2000 hours application of maximum operating voltage at +85 °C			
Endurance	Capacitance change	±30 % of initial measured value at 20 °C	±30 % of initial measured value at 20 °C
	Internal resistance	150 Ω or less	40 Ω or less
After 2000 hours storage at +85 °C without load (voltage)			
Shelf life	Capacitance change	Capacitance change shall meet the specified limits for Endurance	
	Internal resistance	Internal resistance 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 1 kHz	Recommended discharge current	Parts number	Mass (Reference value) (g)	Min. packaging Q'ty (pcs)
5.5	0.1	0.080 to 0.180	≤75	300 μA or less	EECRF0H104N	3.3	200
	0.68	0.544 to 1.224	≤20	1 mA or less	EECRF0H684N	10.0	100
	1.0	0.8 to 1.8	≤20	1 mA or less	EECRF0H105N	10.0	100

Do not use reflow soldering. (IR, Atmospherheating methods, etc.) Please refer to the page of "Application Guidelines". The recommended discharge current is a reference value. Please design your equipment(circuit) in consideration of IR drop.