Stacked Coin Type

⚠ This series is not a recommended product.
Not recommended for new design.

Series : **RF** Low temperature assured product

Features

- Endurance : +85 °C 2000 h
- Category temperature range : –40 °C to +85 °C
- RoHS compliant

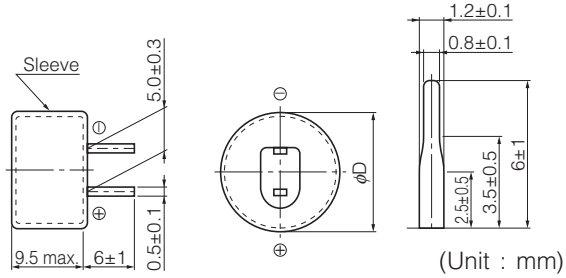
Recommended applications

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

Specifications

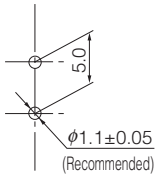
Category temp. range	–40 °C to +85 °C		
Maximum operating voltage	5.5 V.DC		
Nominal capacitance	0.1 F	0.68 F, 1.0 F	
Characteristics at low temperature	Capacitance change	±30 % of initial measured value at +20 °C (at –40 °C)	
	Internal resistance	≦ 7 times of initial measured value at +20 °C (at –40 °C)	
Endurance	After 2000 hours application of maximum operating voltage at +85 °C		
	Capacitance change	±30 % of initial measured value at 20 °C	
	Internal resistance	150 Ω or less (0.1 F) 40 Ω or less (0.68 F, 1.0 F)	
Shelf life	After 2000 hours storage at +85 °C without load (voltage)		
	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)

Cap (F)	φD (mm)
0.1	13.5 max
0.68, 1.0	21.5 max



Characteristics list

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 dorop.