# **Panasonic** Electric Double Layer Capacitors (Gold Capacitor)

## Stacked Coin Type

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

Series : F Low temperature assured product



### Features

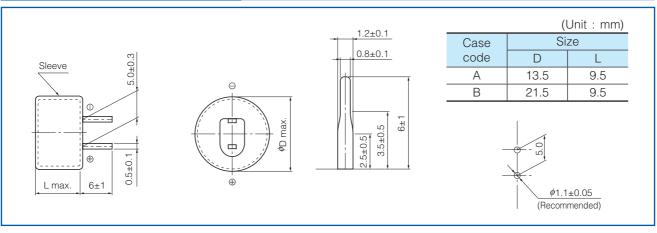
- Endurance : +85 °C 1000 h
- Category temperature range : -40 °C to +85 °C
- RoHS compliant

#### **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 cap.range	0.1 F to 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 1000 hours application of 5.5 V.DC at +85 °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 +85 °C without load, the capacitor shall meet the specified limits for Endurance.					

#### Dimensions in mm(not to scale)



#### **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	Case code	Mass (Reference value) (g)	Min. packaging q'ty (pcs)
5.5	0.10	0.080 to 0.180	≦ 100	300 µA or less	EECF5R5H104N	А	3.3	200
	0.47	0.376 to 0.846	≦ 75	1 mA or less	EECF5R5H474N	В	10.0	100
	0.68	0.544 to 1.224	≦ 50	1 mA or less	EECF5R5H684N	В	10.0	100
	1.00	0.80 to 1.80	≦ 50	1 mA or less	EECF5R5H105N	В	10.0	100

Note : Do not use reflow soldering. (IR, Atmosphere heating methods, etc.) Please refer to the page of "Application guidelines".