

Stacked Coin Type

Series : F



Features

- Endurance : +85 °C 1000 h
- RoHS compliant

Recommended Applications

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

Specifications

Category temp. range	-25 °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 -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 +85 °C, the capacitor shall meet the following limits.	
	Capacitance change	±30 % of initial measured 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)

Side view dimensions: Sleeve, 5.0±0.3, 0.5±0.1, L max., 6±1.

Top view dimensions: φD max.

Cross-section dimensions: 1.2±0.1, 0.8±0.1, 2.5±0.5, 3.5±0.5, 6±1.

(Unit : mm)

Case code	Size	
	D	L
A	13.5	9.5
B	21.5	9.5

Lead dimensions: 5.0, φ1.1±0.05 (Recommended PCB hole diameter)

Characteristics list

Category temp. range (°C)	Maximum operating voltage (V.DC)	Capacitance (F)	Capacitance tolerance (F)	Internal resistance (Initial specified value) (Ω) at 1 kHz	Recommended *1 discharge current	Parts number	Case code	Mass (Reference value) (g)	Min. packaging q'ty (pcs)
-25 to +85	5.5	0.10	0.080 to 0.180	≤ 100	300 μA or less	EECF5R5H104	A	3.3	200
		0.47	0.376 to 0.846	≤ 75	1 mA or less	EECF5R5H474	B	10.0	100
		0.68	0.544 to 1.224	≤ 50	1 mA or less	EECF5R5H684	B	10.0	100
		1.00	0.80 to 1.80	≤ 50	1 mA or less	EECF5R5H105	B	10.0	100

*1 The recommended discharge current is a reference value. Please design your equipment (circuit) in consideration of IR drop.

Do not use reflow soldering. Please refer to the page of "Application guidelines".