

## Electric Double Layer Capacitors (Gold Capacitor)

Japan

Series: **NF**



### ■ Features

- Maximum height of 8 mm for 1F
- Suitable for use with micro current consumption back-up such as in CMOS microcomputers and RAM

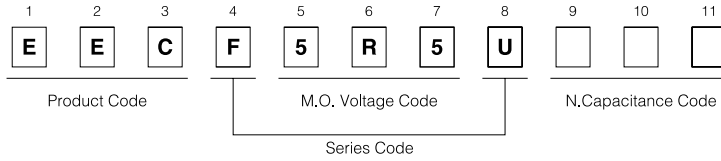
### ■ Recommended Applications

- Memory back-up for Video, Audio, Cameras, Telephones, Printer, Data terminal, Rice cooker and intelligent remote controller

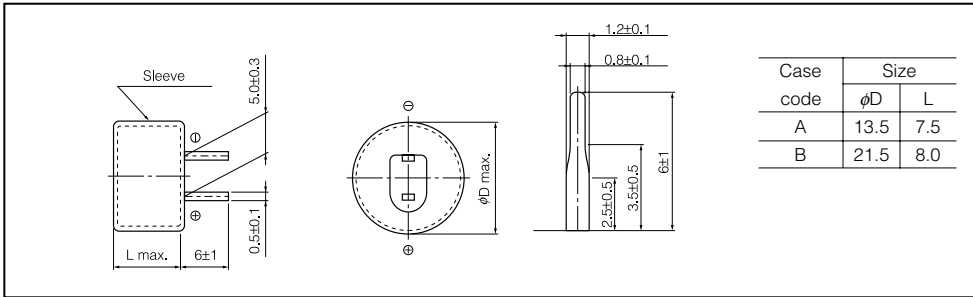
### ■ Specifications

Operating Temp. Range	-25 to +70 °C	
Maximum Operating Voltage	5.5 V.DC	
Nominal Cap. Range	0.10 to 1.0 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 rated DC working voltage 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".	

### ■ Explanation of Part Numbers



### ■ Dimensions in mm (not to scale)



### ■ Standard products

Maximum Operating Voltage (V. DC)	Capacitance (F)	Part number	Capacitance range (F)	Internal resistance (Ω) at 1 kHz	Case code
5.5	0.10	EECF5R5U104	0.080 to 0.180	≤ 75	A
	0.22	EECF5R5U224	0.176 to 0.396	≤ 75	A
	0.47	EECF5R5U474	0.376 to 1.410	≤ 30	B
	1.0	EECF5R5U105	0.80 to 1.80	≤ 30	B

### ■ Discharge current vs back-up time

