Stacked Coin Type

Series: **NF** Low temperature assured product



Features

• Endurance: +70 °C 1000 h

Category temperature range : −40 °C to +70 °C

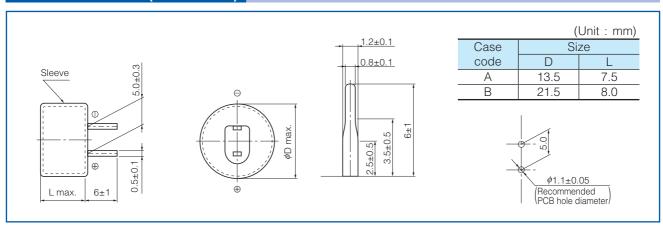
RoHS compliant

Recommended applications

• Memory back-up for video and audio equipment, cameras, telephones, printers, data terminals, rice cookers and intelligent remote controls.

Specifications					
Category temp. range	−40 °C to +70 °C				
Maximum operating voltage	5.5 V.DC				
Nominal cap.range	0.22 F to 1.5 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 +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.				

Dimensions in mm(not to scale)



Characteristics list												
Category temp. range (°C)		Capacitance (F)	Capacitance tolerance (F)	Internal resistance (Initial specified value) (Ω) at 1 kHz	I Recommended	Parts number	Case code	Mass (Reference value)	Min. packaging q'ty (pcs)			
-40 to +70	5.5	0.22	0.176 to 0.396	≦75	300 µA or less	EECF5R5U224N	Α	2.6	200			
		0.47	0.376 to 1.41	≦30	1 mA or less	EECF5R5U474N	В	7.9	100			
		1.0	0.80 to 1.80	≦30	1 mA or less	EECF5R5U105N	В	8.1	100			
		1.5	1.20 to 2.70	≦30	1 mA or less	EECF5R5U155N	В	8.1	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".