



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Stacked Coin Type

Not recommended for new design

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
Shelf life	Internal resistance	≤ 4 times of initial specified value
	After 1000 hours storage at +70 °C without load, the capacitor shall meet the specified limits for Endurance.	

Dimensions in mm(not to scale)

Technical drawings showing dimensions in mm (not to scale):

- Side view: Sleeve, 5.0±0.3, 0.5±0.1, 6±1, L max.
- Top view: φD max.
- Detail view: 1.2±0.1, 0.8±0.1, 2.5±0.5, 3.5±0.5, 6±1.
- Lead detail: 5.0, φ1.1±0.05 (Recommended).

(Unit : mm)

Case code	Size	
	D	L
A	13.5	7.5
B	21.5	8.0

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	0.22	0.176 to 0.396	≤ 75	300 μA or less	EECF5R5U224N	A	2.6	200
	0.47	0.376 to 1.41	≤ 30	1 mA or less	EECF5R5U474N	B	7.9	100
	1.0	0.80 to 1.80	≤ 30	1 mA or less	EECF5R5U105N	B	8.1	100
	1.5	1.20 to 2.70	≤ 30	1 mA or less	EECF5R5U155N	B	8.1	100

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