



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!



## Contact us

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## Stacked Coin Type

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



Series : **LF** Low temperature assured product

### Features

- Endurance : +85 °C 6000 h (More than 10 years at 40 °C) \*1
- 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 capacitance	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 6000 hours application of maximum operating voltage at +85 °C	
	Capacitance change	±30 % of initial measured value
	Internal resistance	120 Ω or less (1.0 F)
Shelf life	After 2000 hours storage at +85 °C without load (voltage)	
	Capacitance change	Capacitance change shall meet the specified limits for Endurance
	Internal resistance	Internal resistance shall meet the specified limits for Endurance

### Dimensions in mm(not to scale)

(Unit : mm)

Cap (F)	φD (mm)
1.0	21.5 max

φ1.1±0.05 (Recommended)

### 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 *2 discharge current	Parts number	Mass (Reference value) (g)	Min. packaging q'ty (pcs)
-40 to +85	5.5	1.0	0.8 to 1.8	≤ 20	1 mA or less	EECLF0H105	10.0	100

\*1 For the concept of product life refer to 1.4 for the "ambient temperature and the product life" of the application guidelines.

\*2 Recommended discharge current are reference values. Please consider the deterioration of electrical characteristics with time and IR drop.

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