

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

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

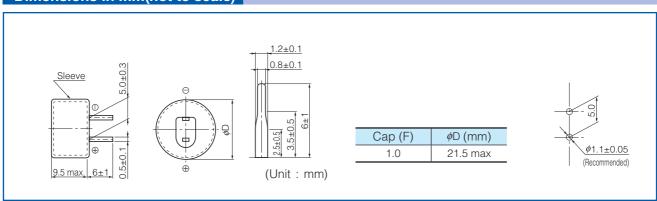
Recommended applications

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	Capacitance change	±30 % of initial measured value at +20 °C (at -40 °C)				
low temperature	Internal resistance	≤ 7 times of initial measured value at +20 °C (at -40 °C)				
	After 6000 hours application of maximum operating voltage at +85 °C					
Endurance	Capacitance change ±30 % of initial measured value					
	Internal resistance	e 120 Ω or less (1.0 F)				
	After 2000 hours storage at +85 °C without load (voltage)					
Shelf life	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)



Characteristics list

	Maximum operating voltage (V.DC)	Capacitance (F)			Recommended *2 discharge current	l Parte numbar	Mass (Reference value)	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".