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)

Cap (F)	ϕD (mm)
1.0	21.5 max

(Unit : mm)

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".

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