Panasonic Electric Double Layer Capacitors (Gold Capacitor)

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

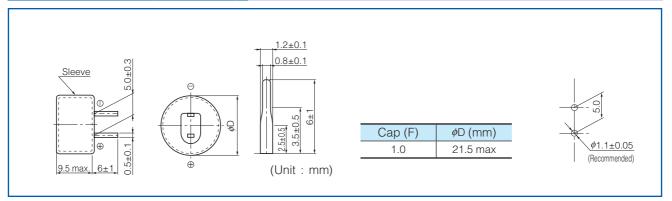
Recommended applications

• Backup of data/RTC of base station, electronic meter, and industrial equipment

Specifications

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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	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)	Capacitance tolerance (F)		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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