imall

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

Series : RF



Features

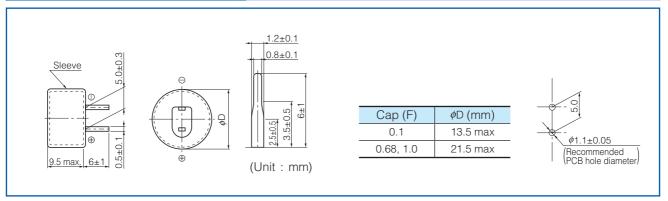
- Endurance : +85 °C 2000 h
- Can be discharged mA current
- RoHS compliant

Recommended applications

- Backup of data/RTC of base station, electronic meter, and industrial equipment
- For assist of rapid load change

| Specifications | | | | | | |
|---------------------------|---|---|---------------|--|--|--|
| Category temp. range | −25 °C to +85 °C | | | | | |
| Maximum operating voltage | 5.5 V.DC | | | | | |
| Nominal capacitance | 0 | .1 F | 0.68 F, 1.0 F | | | |
| Characteristics at | Capacitance change | ±30 % of initial measured value at +20 °C (at -25 °C) | | | | |
| low temperature | Internal resistance | ≤ 5 times of initial measured value at +20 °C (at -25 °C) | | | | |
| Endurance | After 2000 hours application of maximum operating voltage at +85 °C | | | | | |
| | Capacitance change | ±30 % of initial measured value at 20 °C | | | | |
| | Internal resistance | 150 Ω or less (0.1 F) | | | | |
| | | 40 Ω or less (0.68 F, 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

| Category temp. range (°C) | Maximum operating voltage (V.DC) | Capacitance (F) | Capacitance tolerance (F) | registance | Recommended *1 discharge current (mA) | | Mass (Reference value) (g) | Min. packaging q'ty (pcs) |
|------------------------------------|---|--------------------|---------------------------------|------------|---|------------|----------------------------------|------------------------------------|
| -25 to +85 | 5.5 | 0.1 | 0.080 to 0.180 | ≦75 | 3 or less | EECRF0H104 | 3.3 | 200 |
| | | 0.68 | 0.544 to 1.224 | ≦20 | 20 or less | EECRF0H684 | 10.0 | 100 |
| | | 1.0 | 0.8 to 1.8 | ≦20 | 20 or less | EECRF0H105 | 10.0 | 100 |

*1 The recommended discharge current is a reference value. Please design your equipment(circuit) in consideration of IR drop.

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

Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use. Should a safety concern arise regarding this product, please be sure to contact us immediately.