## **Tentative** Electric Double Layer Capacitor (Gold Capacitor)

# High Reliability Capacitor

**RF/RG Series (Tentative name)** 

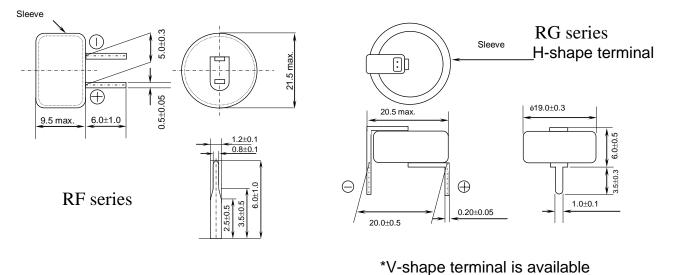
High Reliability: 85°C, 2000h guarantee mA order current can be discharged

### Specifications

Features

| Item                           |                     | Performance Characteristics  |                                      |                    |  |
|--------------------------------|---------------------|--|--------------------------------------|--------------------|--|
| 1. Series                      |                     | RG   | RF                                   |                    |  |
| 2. Category temp. range        |                     | -25 to +85°C   | -25 to +85°C                         |                    |  |
| 3. Maximum operating voltage   |                     | 3.6V DC  | 3.6V DC                              | 5.5V DC            |  |
| 4. Nominal capacitance range   |                     | 1.0F   | 0.68F                                |                    |  |
| 5. Capacitance tolerance       |                     | -20 to +80%  | -20 to +80%                          |                    |  |
| 6. Internal resistance at 1kHz |                     | 20 Ω   | 20 Ω                                 |                    |  |
| 7. Endurance                   |                     | After applying the maximum operating voltage for 2000 hours at +85°C, the capacitor shall meet the following limits. |                                      |                    |  |
|                                | Capacitance         | $\pm 30\%$ of initial measured value   | $\pm 30\%$ of initial measured value |                    |  |
|                                | Internal resistance | $40\Omega$ or less   | $30\Omega$ or less                   | $40\Omega$ or less |  |
| 8. Shelf Life                  |                     | After 2000hours storage at +85°C without load, the capacitor shall meet the specified limits for Endurance.          |                                      |                    |  |

### Dimension in mm (not to scale)



#### P/N System

| P/N                | Series                 | Voltage              | Capacitance     |
|--------------------|------------------------|----------------------|-----------------|
| EECRG0V105H/V      | RG                     | 3.6                  | 1.0             |
| EECRF0V684         | RF                     | 3.6                  | 0.68            |
| EECRF0H684         | RF                     | 5.5                  | 0.68            |
| EEC<br>Common code | Series Volt<br>code co | age Capacitance code | Additional code |

#### Additional code: V or H (in case of RG series)

T2007 2

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