NEW

Panasonic Electric Double Layer Capacitors (Gold Capacitor)/ RG

Stacked Coin Type

Series: **RG**

■ Features

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

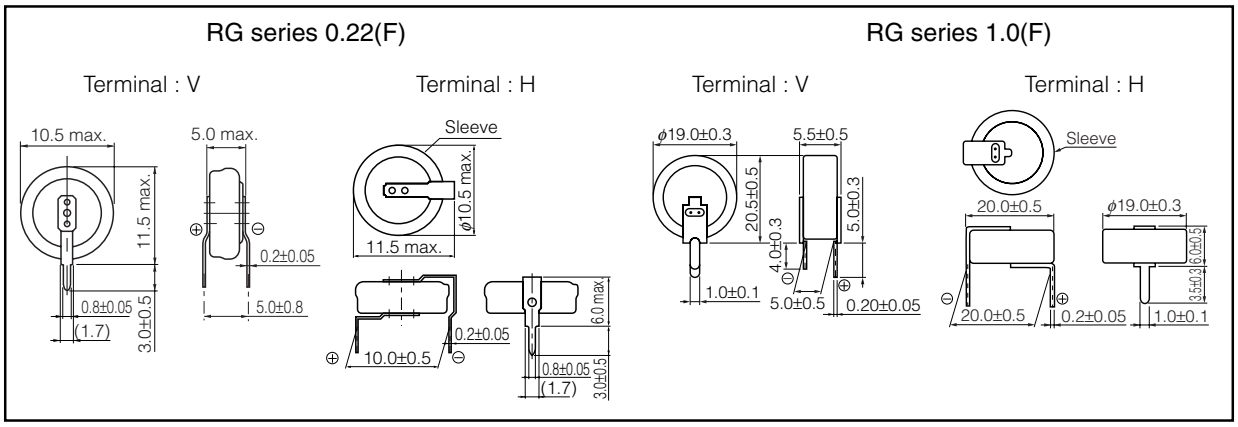
■ Recommended Applications

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

■ Specifications

Series		RG	
Category temp. range		–25 °C to +85 °C	
Maximum operating voltage		3.6 V DC	
Nominal capacitance		0.22 F	1.0 F
Capacitance tolerance		–20 % to +80%	
Stability at low and high temperature		Lower category temp. (–25 °C)	Upper category temp. (+85 °C)
	Capacitance change	±30 % of initial measured value at 20 °C	±30 % of initial measured value at 20 °C
	Internal resistance	≦5 times of initial measured value at 20 °C	≦ initial measured value at 20 °C
Endurance		After 2000 hours application of maximum operating voltage at +85 °C	
	Capacitance change	±30 % of initial measured value at 20 °C	±30 % of initial measured value at 20 °C
	Internal resistance	100 Ω or less	40 Ω or less
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)



■ Standard Products

Series	Maximum operating voltage (V DC)	Capacitance (F)	Internal resistance (Initial specified value) (Ω) at 1 kHz	Recommended discharge current (mA)	Parts number	Mass (g)	Min. packaging Q'ty (pcs)
RG	3.6	0.22	≦50	1 or less	EECRG0V224()	1.0	200
		1.0	≦20	20 or less	EECRG0V105()	4.1	100

Do not use reflow sp;dering.(IR, Atmospherheating methods, etc.) Please refer to P195 “Mounting Specifications”.
( ): Please use V or H to indicate terminal type.
The recommended discharge current is a reference value.
Please design your equipment(circuit) in consideration of IR dorop.

00 Dec. 2009