

Gold Capacitor Series SG



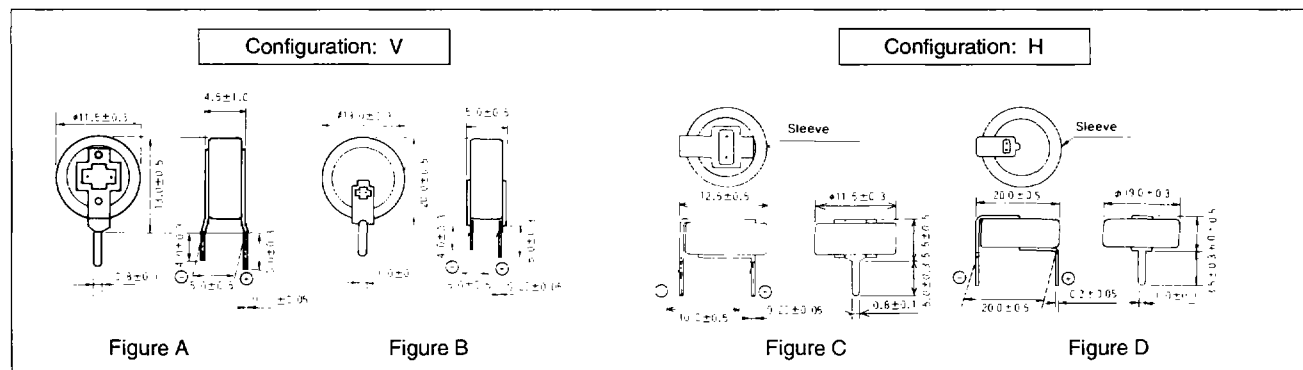
Features

- IC memory back-up device (μA range load)
- Volumetric efficiency (50 % smaller than NF series)
- Light weight (1.2 g)
- General purpose

Specifications

Item	Performance Characteristics		
Operating Temperature Range	-25 to +70 °C		
Rated Working Voltage	5.5 V DC		
Nominal Capacitance Range	0.022 F to 1.0 F		
Capacitance Tolerance	-20 % to +80 % (+20 °C)		
Internal Resistance	Refer to "Standard products table" for each value		
Characteristics at High and Low Temperature	-25 °C & +70 °C	Capacitance change	$\pm 30\%$ of the measured value at +20 °C
	-25 °C	Internal resistance	≤ 5 times the measured value at +20 °C
Endurance	The capacitor shall meet the following limits after 1000 hours application of 5.5 V DC at +70 °C Capacitance change : $\pm 30\%$ of the initial measured value Internal resistance : ≤ 4 times the initial specified value		
Shelf Life	The capacitor shall meet the limits for "Endurance" after 1000 hours exposure at +70 °C with no voltage applied.		
Moisture Resistance	The capacitor shall meet the limits specified for "Endurance" after 500 hours exposure at +55 °C/90 to 95 % RH with 5.5 V DC applied.		

Dimensions in mm (not to scale)



Standard Products

Rated working voltage [V.DC]	Nominal capacitance [F]	Part number*	Internal resistance [Ω] at 1kHz	Case code	
				V	H
5.5	0.022	EECS5R5 □ 223	≤ 150	A	C
	0.047	EECS5R5 □ 473	≤ 120	A	C
	0.10	EECS5R5 □ 104	≤ 75	A	C
	0.22	EECS5R5 □ 224	≤ 75	A	C
	0.47	EECS5R5 □ 474	≤ 30	B	D
1.0	EECS5R5 □ 105	≤ 30	B	D	

* □ = V (Configuration: V) or H (Configuration: H)