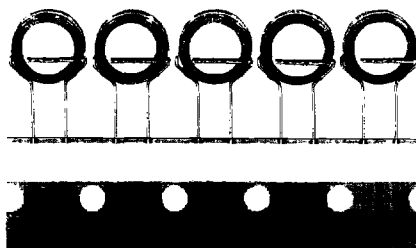


Gold Capacitor Series ST

Features

- Lead taping type of SG series
- IC memory back-up device (μA range load)
- Volumetric efficiency (50 % smaller than NF series)
- 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 0.22 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	± 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 : ± 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 % R.H. with 5.5 V DC applied.		

Dimensions in mm (not to scale)

	Code	Dimensions	Tolerance
	ϕd	0.55	± 0.05
	P_0	12.7	± 0.2
	F	5.0	$+0.8$ -0.2
	W	18.0	± 0.5
	W_0	≥ 5.5	—
	W_1	9.0	± 0.5
	W_2	0-3.0	—
	H_0	18.0	± 0.5
	ϕD_0	4.0	± 0.2
	P	12.7	± 1.0
	P_1	3.85	± 0.50
	P_2	6.35	± 1.00
	$\Delta h, \Delta h_1$	0	± 1.0
	H_1	30.0	± 0.5

Standard Products

Rated working voltage [V.DC]	Nominal capacitance [F]	Part number	Internal resistance [Ω] at 1kHz
5.5	0.022	EECS5R5T223	≤ 150
	0.047	EECS5R5T473	≤ 120
	0.10	EECS5R5T104	≤ 75
	0.22	EECS5R5T224	≤ 75

GC
Series ST