

◆ Product Features

- High frequency stability.
- Product Type (HC-49S-SMD).
- Wide operating temperature range.
- It is seam seal and has good performance in harsh environment.
- Lead-free conforms.



◆ Electrical Specifications

Description	Contents
Frequency Range	3.579 - 74.1 MHz
Mode of oscillation	Fundamental / 3rd Overtone
Frequency Tolerance (25°C)	±10ppm/±20ppm/±30ppm or specify
Load Capacitance CL	6 to 32 pF
Operating Temperature Range	-40°C ~ +125°C
Storage Temperature Range (°C)	-40°C ~ +125°C
Shunt capacitance C0	7.0 pf Max
Drive Level	100 µW Max
Aging	<± 3 ppm first year

◆ Equivalent Series Resistance

FREQUENCY (MHz)	ESR Max (Ω)	FREQUENCY (MHz)	ESR Max (Ω)
3.579 - 9.999(Fund.)	150	30.000 - 39.999(Fund.)	50
10.000 - 19.999(Fund.)	80	40.000 - 48.000(Fund.)	40
20.000 - 29.999(Fund.)	60	49.000 - 74.100(3rd.)	80

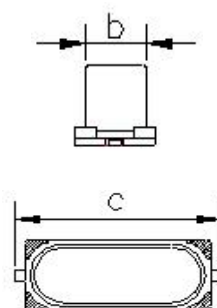
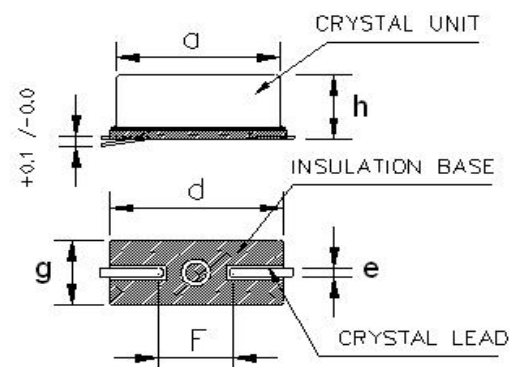
◆ Frequency Stability Over Operating Temperature Range

Temp.(°C)/ppm	±10	±15	±20	±25	±30	±50
-20 to 70°C	△	○	○	○	○	○
-30 to 85°C		△	△	○	○	○
-40 to 85°C			△	△	○	○
-40 to 105°C				△	△	○
-40 to 125°C					△	○

○ :Available

△:To be discussed

◆ Dimensions



Dimensions	
UNIT: mm	
NO.	CONTENTS
a	10.30 Max
b	3.86 Max
c	12.7±0.5
d	11.4±0.2
e	0.65±0.2
h	3.20 Max / 4.30 Max
g	4.70±0.15
F	4.88±0.02