

◆ Product Features

- High frequency stability.
- Product Type (HC-49S).
- 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℃)	±10ppm/±20ppm/±30ppm or specify
Load Capacitance CL	6 to 32 pF
Operating Temperature Range	-40℃ ~ +125℃
Storage Temperature Range (℃)	-40℃ ~ +125℃
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

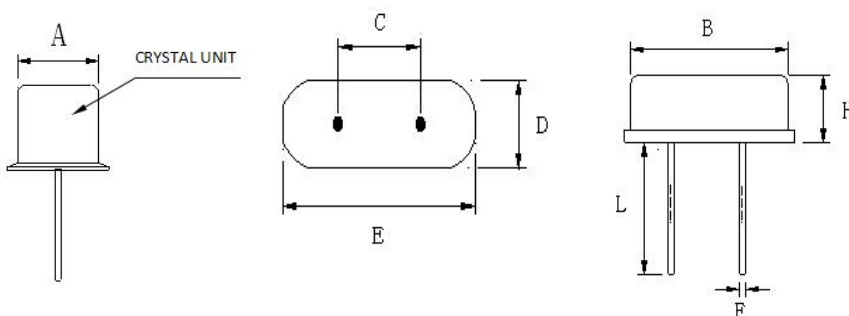
◆ Frequency Stability Over Operating Temperature Range

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

○ :Available

△:To be discussed

◆ Dimensions



Dimensions	
UNIT: mm	
NO.	CONTENTS
A	3.86 Max
B	10.30 Max
C	4.88±0.2
D	4.50±0.2
E	10.8±0.3
H	2.50 Max / 3.50 Max
L	13.20±0.2 / 20.00±0.2
F	Φ 0.45±0.03