



PRODUCTS

Crystal Unit (Through Hole)

Typical Applications:

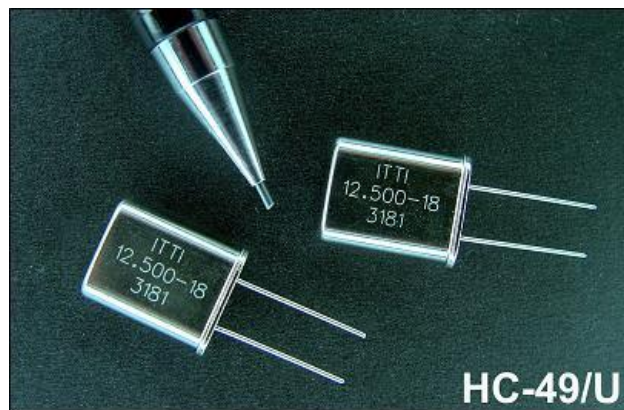
- Set-Top Box
- PCs
- Microcontrollers and Processors
- Consumer Electronic

CRYSTAL

HC-49/U (U Series)

Part Number: U-Freq-CL

Example: U-4.000-18



Specification HC-49/U

Part No.	Example
U-Freq-CL	U-4.000-18

Specification	HC-49/U
Frequency Range	3.579545 to 125.0MHz
Mode of Oscillation	Fundamental / 3rd / 5th Overtone
Tolerance at 25 °C	±10 to ±50ppm
Temperature Stability	±10 to ±50ppm
Operating Temperature Range	-10 °C to +60 °C / -40 °C to +85 °C
Storage Temperature Range	-55 °C to +125 °C
Load Capacitance	10 to 32pF / Series
ESR	* See Table Below
Drive Level	100µW Max.
Aging	±5ppm/year Max.

*U Series ESR Table:

Oscillation Mode	Frequency Range (MHz)	ESR (Ohm)
Fundamental	3.579545 to 3.9	180 Max.
	4.0 to 4.9	100 Max.
	5.0 to 5.9	80 Max.
	6.0 to 8.9	60 Max.
	9.0 to 12.9	35 Max.
	13.0 to 19.9	25 Max.
20.0 to 30.0	20 Max.	
3rd Overtone	25.0 to 75.0	50 Max.
5th Overtone	60.0 to 125.0	80 Max.

Dimension (Unit: mm)

