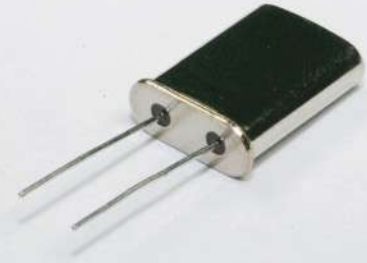


# CRYSTAL UNIT

## HC-49/U, HC-49/T

- HC-49/U package
- AT cut available
- Resistance weld seal
- Tape and reel, insulator tab, 3rd lead, and custom lead length options available
- Pb-free and RoHS compliance



HC-49/U

### HC TYPE

#### ELECTRICAL SPECIFICATIONS

Frequency Range	1.8432 to 85.000MHz
Operating Temperature Range	-10 to +60°C(STD), -20 to +70°C, or Specify
Storage Temperature Range	-40 to +85°C
Frequency Tolerance (at 25°C)	±15, ±30, ±50ppm(STD), or Specify
Frequency stability Over Operating Temperature Range	See Table1 in page 4 ±30, ±50(STD), ±100ppm
Load Capacitance(CL)	18pF(STD), Custom CL≥10pF or Series Resonant
Drive Level	0.01 to 2,000μW
Shunt Capacitance(Co)	7.0pF max.
Aging (at 25°C)	±5.0ppm/year max.
Insulation Resistance	500MΩ min. at 100Vdc

#### EQUIVALENT SERIES RESISTANCE(ESR)

Frequency Range(MHz)	ESR(Ω MAX.)	Mode of Oscillation	Package
1.8432 ~ 1.999	600	Fundamental	HC-49/U & HC-49/T
2.000 ~ 2.999	500	Fundamental	HC-49/U & HC-49/T
3.000 ~ 3.499	150	Fundamental	HC-49/U & HC-49/T
3.500 ~ 3.999	120	Fundamental	HC-49/U & HC-49/T
4.000 ~ 4.999	100	Fundamental	HC-49/U & HC-49/T
5.000 ~ 5.999	80	Fundamental	HC-49/U & HC-49/T
6.000 ~ 6.999	60	Fundamental	HC-49/U & HC-49/T
7.000 ~ 7.999	50	Fundamental	HC-49/U & HC-49/T
8.000 ~ 9.999	40	Fundamental	HC-49/U & HC-49/T
10.000 ~ 12.999	30	Fundamental	HC-49/U & HC-49/T
13.000 ~ 30.000	25	Fundamental	HC-49/U & HC-49/T
24.000 ~ 29.999	60	3rd Overtone	HC-49/U & HC-49/T
30.000 ~ 85.000	40	3rd Overtone	HC-49/U & HC-49/T

#### MECHANICAL DIMENSIONS

