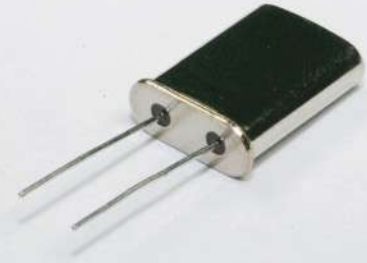


CRYSTAL UNIT

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

