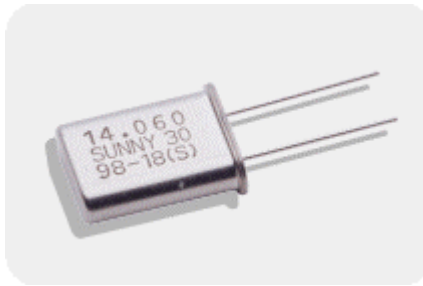


QUARTZ CRYSTAL

Sunny company information

SUNNY



▶ HC-49/U Series

- HC-49/U package
- AT cut available
- Resistance weld seal
- Tape and Reel, insulator tab, 3-lead, and custom lead length options available

ELECTRICAL SPECIFICATIONS

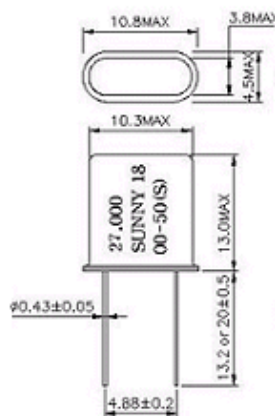
| MODEL | HC-49/U, HC-49/T |
|---|--|
| Frequency Range | 1,8432 to 85,000MHz |
| Operating Temperature Range | -10 to +60°C(STD), -20 to +70°C |
| Storage Temperature Range | -40 to +85°C |
| Frequency Tolerance (at 25°C) | ±15, ±30, ±50ppm(STD) |
| Frequency Stability Over Operating Temperature Range | ±30, ±50, ±100ppm(STD) |
| Load Capacitance (CL) | 18pF(STD), Custom CL ≥ 10pF or Series Resonant |
| Drive Level | 0.01 to 2,000μW |
| Shunt Capacitance (Co) | 7pF Max |
| Aging (at 25°C) | ±5ppm/year Max |
| Insulation Resistance | 500 MΩ Min at 100VDC |

▲ TOP

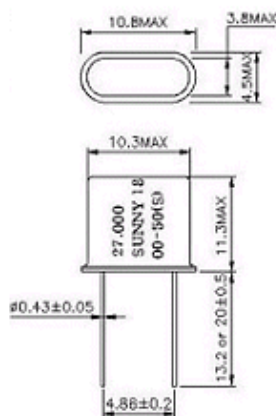
| Frequency Range (MHz) | ESR (ΩMax) | Mode of Oscillation |
|-----------------------|------------|---------------------|
| 1,8432 ~ 1,999 | 600 | Fundamental |
| 2,000 ~ 2,999 | 500 | Fundamental |
| 3,000 ~ 3,499 | 150 | Fundamental |
| 3,500 ~ 3,999 | 120 | Fundamental |
| 4,000 ~ 4,999 | 100 | Fundamental |
| 5,000 ~ 5,999 | 80 | Fundamental |
| 6,000 ~ 6,999 | 60 | Fundamental |
| 7,000 ~ 7,999 | 50 | Fundamental |
| 8,000 ~ 9,999 | 40 | Fundamental |
| 10,000 ~ 12,999 | 30 | Fundamental |
| 13,000 ~ 30,000 | 25 | Fundamental |
| 24,000 ~ 29,999 | 60 | 3rd Overtone |
| 30,000 ~ 85,999 | 40 | 3rd Overtone |

MECHANICAL DIMENSIONS

▶ **HC-49/U**



▶ **HC-49/T**



▶ **HC-49/U GULL WING**

