

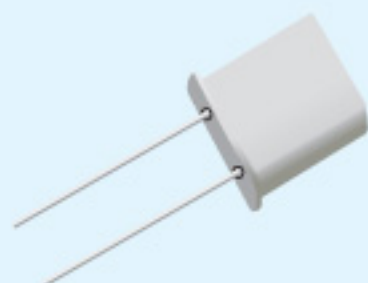
CRYSTAL UNIT



HUAFENG
CRYSTAL

HC-49/U Series

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



ELECTRICAL SPECIFICATIONS

Frequency Range	1.7897 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(C _L)	18pF(STD), Custom C _L ≥10pF or Series Resonant
Drive Level	0.01 to 2.000μW
Shunt Capacitance(C ₀)	7pF Max
Aging(at 25°C)	±5ppm/year Max
Insulation Resistance	500 MΩ Min at 100V _{DC}

EQUIVALENT SERIES RESISTANCE(ESR)

Frequency Range (MHz)	ESR(Ω Max)	Mode of Oscillation
1.7897 ~ 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 ~ 85.000	40	3rd Overtone

