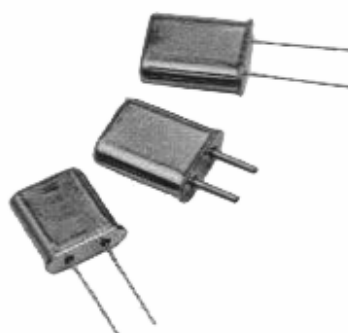


HC-49/U HC-50/U Crystal



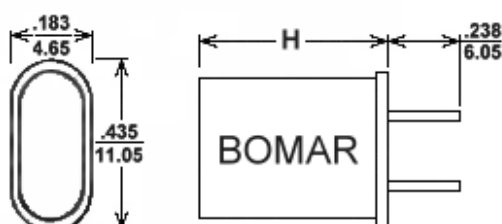
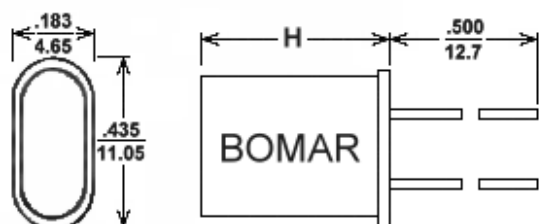
Specifications:

Frequency Range	2.000 - 150.000 MHz
Frequency Tol. at 25°C.	30PPM - Standard 10PPM to 100PPM
Temperature Range (Operating)	-20 to + 70 C.-Standard
Frequency Stability	10PPM to 100PPM
Load Capacitance	10pF to 100pF or Series Resonant
Shunt Capacitance	7pF Max.
Resistance	See Below
Aging	+5PPM/year Max.
Drive Level	1.0mW Max.

HC-49/U

inches
mm

HC-50/U



Holder	H
HC-49/U1	.530/13.5
HC-49/U2	.452/11.5

Equivalent Series Resistance (ESR)

Frequency	Mode	HC-49/U1 HC-50/U1	HC-49/U2 HC-50/U2
2.000 - 2.999	Fundamental	500 ohms	
3.000 - 3.199	Fundamental	300	
3.200 - 3.999	Fundamental	200	
4.000 - 4.499	Fundamental	100	
4.500 - 4.999	Fundamental	75	
5.000 - 6.999	Fundamental	70	
7.000 - 9.999	Fundamental	50	
10.000 - 25.000	Fundamental	30	40 ohms
20.000 - 29.999	Third Overtone	50	60
30.000 - 75.000	Third Overtone	40	60
60.000 - 125.000	Fifth Overtone	70	80
110.000 - 150.000	Seventh Overtone	120	120

Holder	H
HC-50/U1	.530/13.5
HC-50/U2	.452/11.5

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