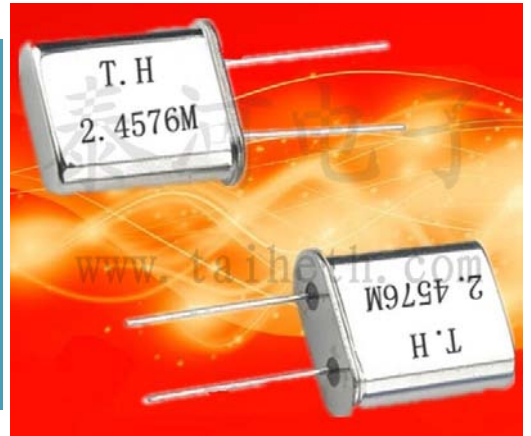


## 特点 Features

低成本  
 行业标准包装  
 高可靠性和稳定性晶体  
 宽的频率范围和校准公差  
 符合RoHS/无铅  
 USB 网卡 路由器 开关 主板的最佳选择



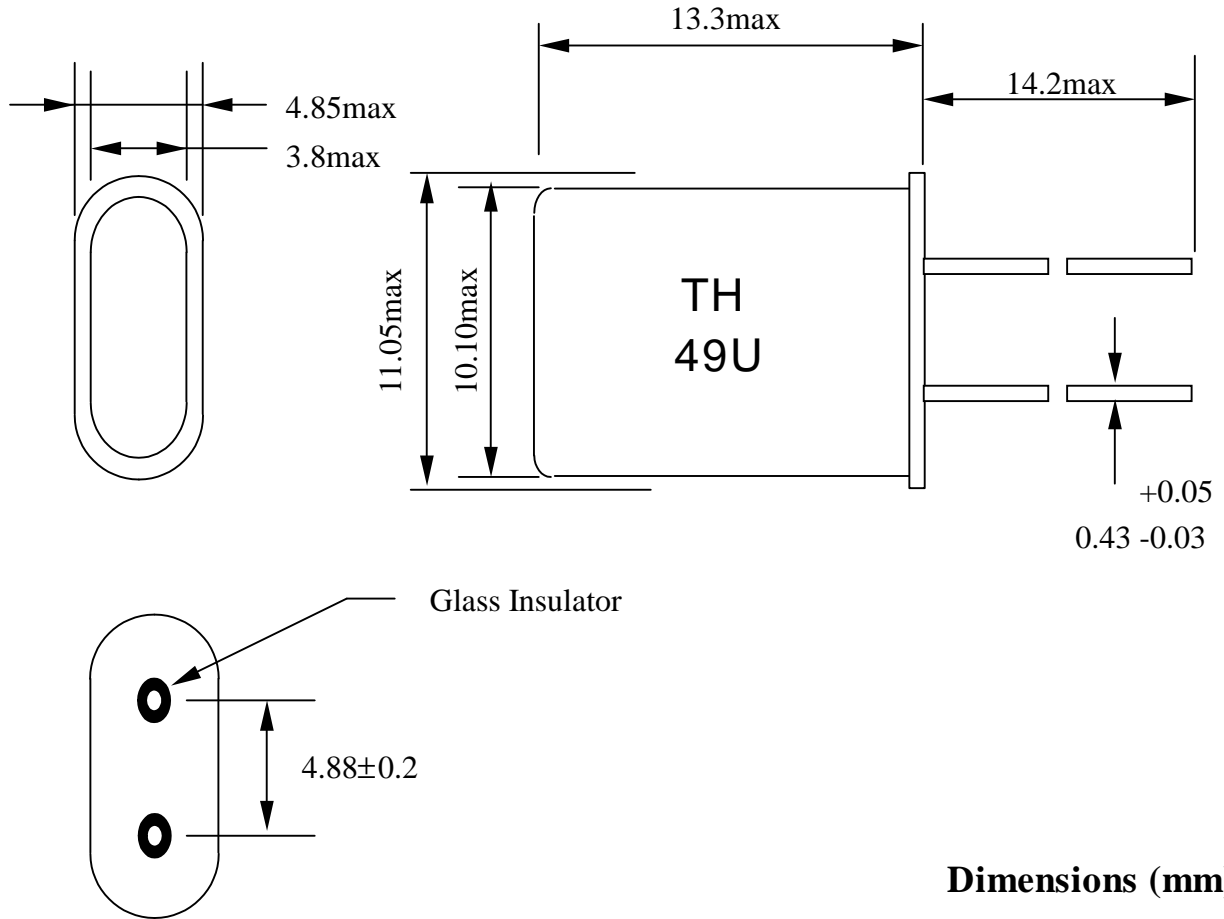
## 技术参数 Electrical Specification

项目	Model	TH HC-49U
频率范围	Frequency Range	1.500 ~ 160.000 MHz
调整频差	Frequency Tolerance at 25 °C ±2 °C	± 10 ~ ±30 ppm (TYP.)
温度频差	Frequency Stability Over Operating Temp Range	±10 ~ ±30 ppm (TYP.)
工作温度范围	Operating Temp Range	-10 °C ~ +60 °C, -20 °C ~ +70 °C or customer requirement
负载电容	Load Capacitance	8 pF ~ 32 pF, series or special
静电容	Shunt Capacitance	7 pF Max.
激励功率	Drive Level	0.1uW ~ 1000uW (TYP.: 100uW)
绝缘电阻	Insulation Resistance	500M min / DC 100V ±5V
振荡模式	Oscillation Mode	Fundamental, 3rd & 5th overtone
测量仪	Measure Instrument	S&A 250B

## 等效阻抗 Equivalent Series Resistance(ESR)

Frequency (MHz)	Oscillation Mode	TH HC-49U
1.5 ~ 1.99	Fundamental	700 max.
2.0 ~ 2.99	Fundamental	500
3.0 ~ 3.19	Fundamental	300
3.2 ~ 3.99	Fundamental	150
4.0 ~ 4.49	Fundamental	90
4.5 ~ 4.99	Fundamental	70
5.0 ~ 6.99	Fundamental	50
7.0 ~ 9.99	Fundamental	35
10.0 ~ 36.0	Fundamental	25
20.0 ~ 24.99	3rd overtone	45
25.0 ~ 100.0	3rd overtone	40
70.0 ~ 160.0	5rd overtone	70

## 外形尺寸 Dimensions



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