

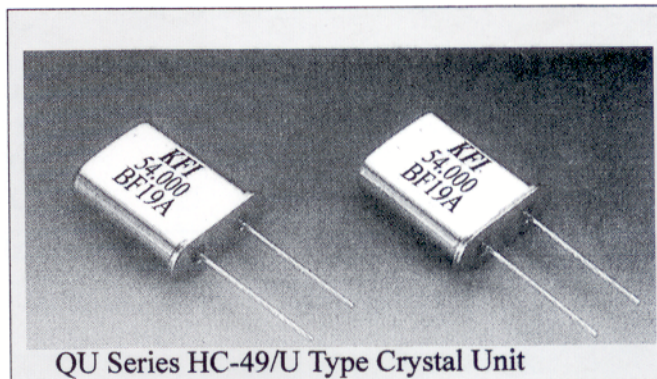
KFI QU Series Quartz Crystal Units

HC-49/U Resistance Welded Type

Features

- 13.58 mm height metal can
- Completely sealed with resistance welded package
- Good frequency stability and high reliability
- Best for densely populated PCBs with limited component space.

Specifications

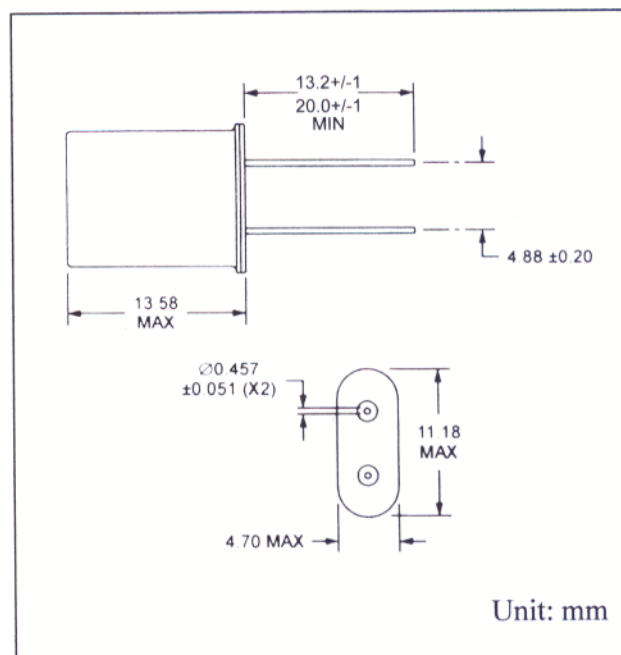


Frequency Range	1.843 MHz ~ 150.000 MHz
Frequency Tolerance @25 °C	+/- 30ppm (typical) or specify
Aging @25 °C	+/- 5ppm / year maximum
Frequency Stability over Operating Temperature Range	+/- 30ppm (typical) or specify
Operation Temperature Range	-20 °C to +70 °C (typical) -10 °C to +60 °C, -40 °C to +85 °C, or specify
Storage Temperature Range	-40 °C to +85 °C
Shunt Capacitance	7 pF maximum
Load Capacitance	Series, 16 pF, 20 pF, 30 pF, 32 pF or specify
Drive Level	100 uW maximum
Insulation Resistance	500 MΩ minimum at 100VDC
Package	Resistance welded HC-49/U Package

Equivalent Series Resistance (ESR) and Mode of Operation

Frequency Range	ESR (Ω)	Mode
1.843MHz ~1.999MHz	700 Max.	Fundamental / AT
2.000MHz ~2.399MHz	500 Max.	Fundamental / AT
2.400MHz ~2.999MHz	300 Max.	Fundamental / AT
3.000MHz ~3.199MHz	250 Max.	Fundamental / AT
3.200MHz ~3.499MHz	200 Max.	Fundamental / AT
3.500MHz ~3.899MHz	150 Max.	Fundamental / AT
3.900MHz ~4.099MHz	100 Max.	Fundamental / AT
4.100MHz ~5.999MHz	80 Max.	Fundamental / AT
6.000MHz ~6.999MHz	50 Max.	Fundamental / AT
7.000MHz ~9.999MHz	40 Max.	Fundamental / AT
10.000MHz ~12.999MHz	30 Max.	Fundamental / AT
13.000MHz ~30.000MHz	20 Max.	Fundamental / AT
24.000MHz ~29.999MHz	50 Max.	3 rd Overtone
30.000MHz ~65.000MHz	40 Max.	3 rd Overtone
60.000MHz ~150.000MHz	60 Max.	5 th Overtone

Dimensions



Remark: Specifications subject to change without prior notice. Please confirm with our sales engineer.