



THC-49/U

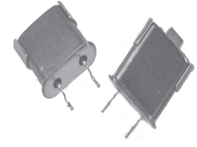
RoHS Complaint Optional

# CRYSTAL UNITS

## THC-49/U Series Crystal

### Low Cost Crystal

THC-49/U  
Gullwing



### Features:

- ◆ Low cost welded hermetic package
- ◆ SMD version available - specify SMD type
- ◆ Tape and reel for automatic assembly available for both Thru-Hole & SMD packages
- ◆ Tighter tolerances and stabilities available

### Models: THC49/U Specifications

Frequency Range	Mode	ESR max. (Ω)
1.8 to 2.0	AT1	450
2.0 to 2.45	AT1	350
2.45 to 3.0	AT1	150
3.0 to 3.5	AT1	100
3.5 to 4.0	AT1	85
4.0 to 4.4	AT1	75
4.4 to 5.0	AT1	50
5.0 to 6.0	AT1	45
6.0 to 7.0	AT1	30
7.0 to 11.5	AT1	25
11.5 to 13.0	AT1	20
13.0 to 50.0	AT1	20
25.0 to 48.0	AT3	50
48.0 to 75.0	AT3	40
75.0 to 125.0	AT5	70
125.0 to 180.0	AT7	120

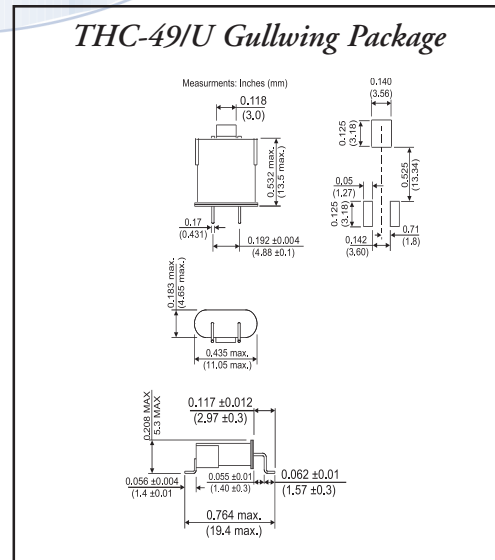
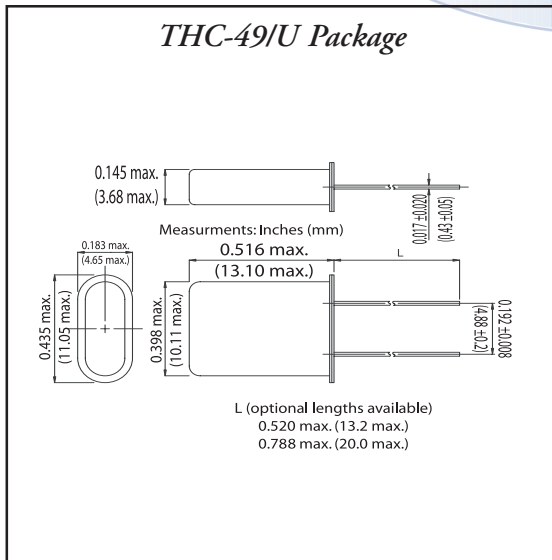
Frequency Range	1.000 to 125.0 MHz
Frequency Tolerance	±10, ±20, ±30, ±50, or ±100 ppm
Frequency Stability	±15 to 50 ppm
Operating Temperature Range	0 to 70 ~ -40 to 85°C
Storage Temperature Range	-55 to +125°C
Load Capacitance	Series, 16, 20, 30, or 32 pF
Shunt Capacitance	7pF max.
Mode of Vibration	See Table
Equivalent Series Resistance	See Table
Drive Level	10 μW to 1mW
Aging	±5 × 10 <sup>-6</sup> /Year Max.

AT1	AT cut Fundamental
AT3	AT cut 3rd Overtone
AT5	AT cut 5th Overtone
AT7	AT cut 7th Overtone

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