

CRYSTAL UNITS

TU3(b) TU4 (b) Series Crystal

Precision Thru-Hole, SMD

RoHS Complaint Optional

Features:

- ◆ Miniature, welded package
- ◆ Tape and reel available (B and C type)
- ◆ VP/ IR solder re-flow compatible
- ◆ Perfect for PCMCIA, wireless modems
- ◆ SMD version available (B or C types)
- ◆ Low cost Alternative
- ◆ Rugged and reliable

Model: TU3 (b), TU4 (b) Specifications

Frequency Range	3.579545 to 80.00 MHz	Frequency (MHz)	Vibration Mode	ESR max.
Frequency Tolerance	±10 to ±100 ppm	3.5 to 4.0	AT1	140Ω
Frequency Stability ⁽¹⁾	See Table	4.0 to 4.1	AT1	120Ω
Operating Temperature Range	See Table	5.0 to 6.0	AT1	80Ω
Storage Temperature Range	-55 to +125°C	6.0 to 7.0	AT1	55Ω
Load Capacitance	Series, 10 to 32 pF	7.0 to 9.0	AT1	45Ω
Shunt Capacitance	7pF max.	9.0 to 13.0	AT1	40Ω
Mode of Vibration	See Table	13.0 to 16.0	AT1	35Ω
Equivalent Series Resistance	See Table	16.0 to 20.0	AT1	30Ω
Drive Level	10 μW to 100 μW	20.0 to Freq.	AT1	25Ω
Aging	±5 ppm/Year Max.	24.0 to 32.0	BT1	30Ω
		32.0 to 40.0	AT3	80Ω

AT1= AT Cut, Fundamental
AT3= AT Cut, 3rd Overtone
BT1= BT Cut, Fundamental

Note 1: Optional Stabilities available. Contact factory.

Temperature	Stability (ppm)
-10 to 60°C	±10, ±15, ±20, ±30, ±50
-20 to 70°C	±10, ±15, ±20, ±30, ±50
-40 to 85°C	±20, ±30, ±50

Standard Frequencies (MHz)			
3.579545	11.059200	20.000000	32.256000
3.686400	12.000000	24.000000	35.251000
4.000000	12.288000	24.576000	36.000000
4.915200	14.318180	25.000000	40.000000
5.068800	15.000000	26.800000	42.000000
6.000000	16.000000	28.000000	45.000000
7.372800	18.000000	29.491200	46.000000
8.000000	18.432000	30.000000	48.000000
10.000000	19.660800	32.000000	

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Tellurian® Technologies, Inc.

1801 Hicks Road • Rolling Meadows, IL 60008 • Tel 847-934-4141 • Fax 847-934-4175

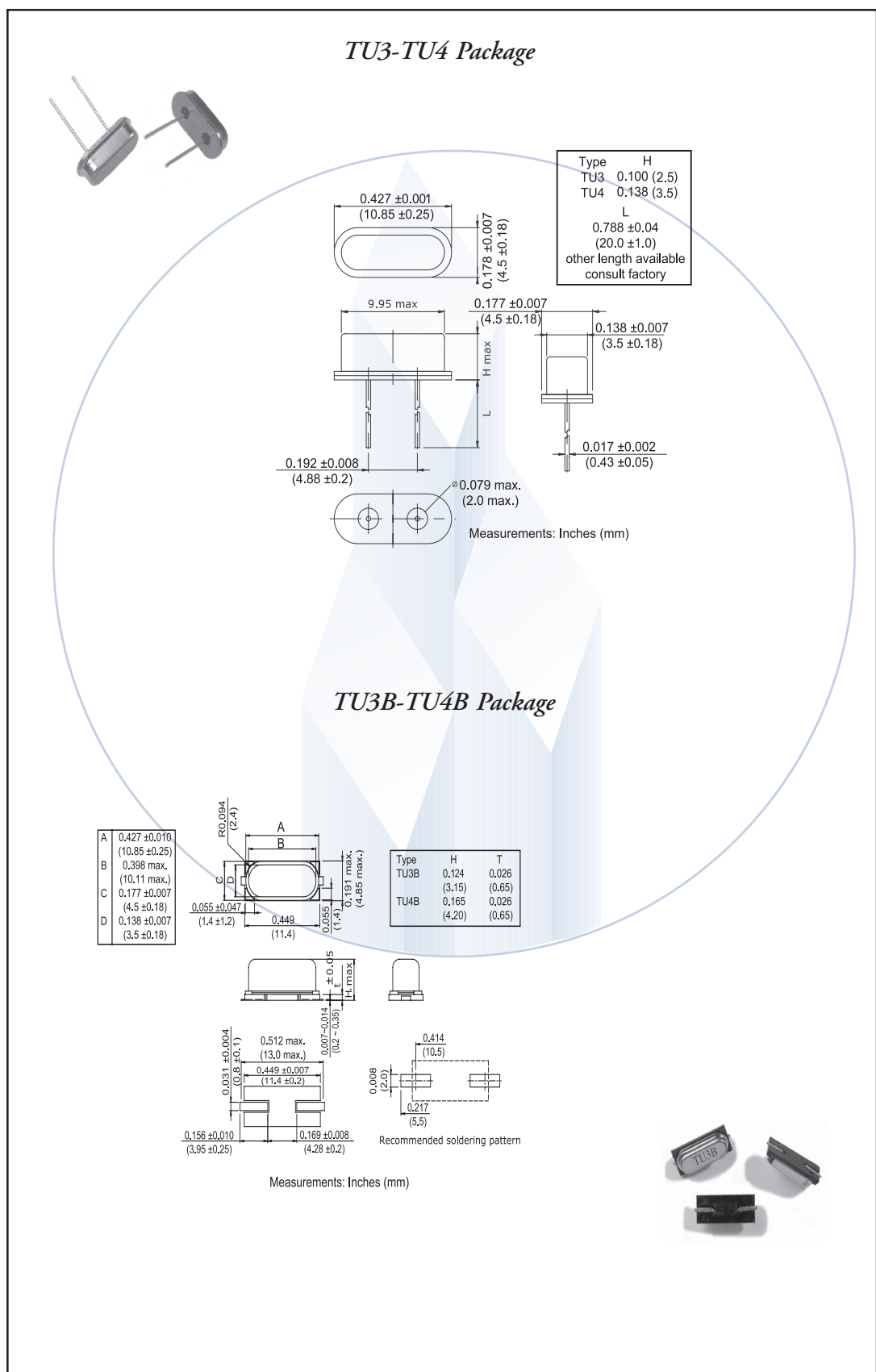
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