



TU1B

CRYSTAL UNITS

TU1B Series Crystal

Sub-Miniature, SMD



Features:

- ❖ Ultra-miniature, low profile package, SMD
- ❖ Tighter Tolerance
- ❖ High reliability, seam welded
- ❖ Ceramic Package
- ❖ VP/ IR solder reflow compatible
- ❖ Tape and Reel Available
- ❖ GSM, GPS, PCMIA, Wireless Modem, Paging

Model: TU1B Series Specifications

Parameter	TU1B
Frequency Range	12.00 to 50.00 MHz
Frequency Tolerance	±10 ppm to ±50 ppm
Frequency Stability	See Table
Operating Temperature Range	See Table
Storage Temperature Range	-40 to 85°C
Load Capacitance	Series, 8 to 32 pF
Shunt Capacitance	7 pF max.
Mode of Vibration	Fundamental
Equivalent Series Resistance	See Table
Drive Level	10 uW to 100 uW
Resistance for Reflow	±1.0 ppm max.
Aging	±1.0 ppm / per year max.

Frequency (MHz)	Mode	ESR (Ohms)
12.00 to 16.00	AT1	150
16.00 to 20.00	AT1	120
20.00 to 30.00	AT1	80
30.00 to 50.00	AT1	50

ATI= AT cut fundamental

Temperature	Stability (ppm)
0 to 70°C	±5, ±10, ±15, ±20, ±25, ±30
-10 to 60°C	±5, ±10, ±15, ±20, ±25, ±30
-20 to 70°C	±15, ±20, ±25, ±30

CRYSTAL: TU1B Series Crystal

CRYSTAL: TU1B Series Crystal

