



CRYSTAL UNITS

TU0A Series Crystal

Ultra-Miniature Profile, SMD



Features:

- ❖ Smalled Package in Industry
- ❖ Tighter Tolerance
- ❖ High reliability, seam welded
- ❖ Ceramic Packagev
- ❖ VP/ IR solder reflow compatible
- ❖ Tape and Reel Available
- ❖ GSM, GPS, PCMIA, Wireless Modem, Paging

Model: TU0A Series Specifications

Parameter	TU0A
Frequency Range	30.00 to 60.00 MHz(1)
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)
30.00 to 60.00	AT1	200

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

(1) Standard frequencies are 32.00, 36.00, 38.40, 40.00 and 44.00 MHz.

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