

REV	DATE	REVISION RECORD	DWN	AUTH
-	02-20-95	Draft	BH	
A	03-19-99	Pin Function	MS	
B	05-29-02	Phase Noise, Temp. Stability	PC	BH

OUTPUT

Frequency
10 MHz

Level
+13 ±2dBm into 50 ohms

STABILITY

Aging
1 x 10⁻⁹ per day
after 30 days operating, typical

Phase Noise L(f)

10 Hz -115 dBc
100 Hz -145 dBc
1 KHz -165 dBc
10 KHz -165 dBc

Temperature Stability

±2 x 10⁻⁸, 0° to +50°C (Ref +25°C)

MECHANICAL

Dimensions
2 x 2 x 4"

Connectors
SMA and 7 pin header

Packaging
Solder sealed steel can

POWER REQUIREMENTS

Warm-Up Power
<4 Watts for 5 minutes

Total Power
<1.7 Watts at +25°C

Supply Voltage
+15 VDC

ADJUSTMENT
Mechanical Tuning

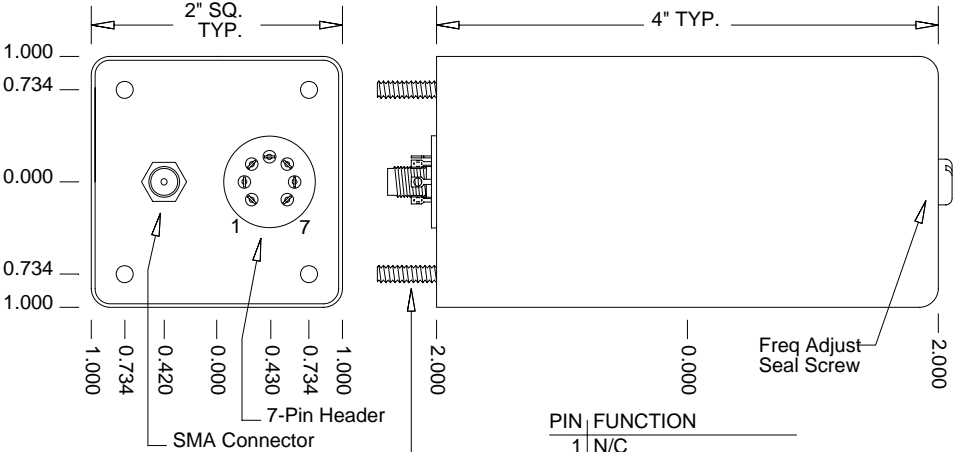
±4 x 10⁻⁶

Electrical Tuning
±2 x 10⁻⁷, ±5 VDC

Negative slope

CRYSTAL

Type
10 MHz AT-cut



Connector numbers are for reference only, they are not marked on unit.

PIN	FUNCTION
1	N/C
2	Ground, Case
3	Ground, Case
4	Supply Voltage
5	NC
6	Electrical Tuning
7	Ground, Case

WA		Wenzel Associates, Inc.	
Austin, Texas			
Title: Premium 10 MHz-AT Timekeeper Crystal Oscillator			
P/N: 501-04490	Rev: B	Date: 05-29-02	Ref:
Tolerances: (except as noted) Dimensions are in inches		0.XX Dec: ±0.030"	0.XXX Dec: ±0.010"
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