REV	DATE	REVISION RECORD	DWN	AUTH
-	06-11-99	Draft	MS	
A	07-30-99	Can Dimension	KP	KW
B	06-21-01	Mechanical Tuning Height	KW	JR
C	01-15-02	Increase total power by 1 Watt	KM	ML
D	03-26-03	Correct Freq Adj Screw on drawing	SS	
E	02-11-05	Corrected drawing	SS	ML
F	08-30-05	Aging	VG	GP

OUTPUT

Frequency

10 MHz

Level

+13 ±2dBm into 50 ohms

STABILITY

Aging

2.5×10^{-10} per day

after 30 days operating, typical

5×10^{-10} per day at time of shipment

Phase Noise L(f)

1 Hz	-105 dBc
10 Hz	-135 dBc
100 Hz	-160 dBc
1 KHz	-173 dBc
10 KHz	-174 dBc
20 KHz	-175 dBc

Temperature Stability

$\pm 5 \times 10^{-10}$, 0° to +50°C

MECHANICAL

Dimensions

4 x 3 x 2”

Connectors

SMA and feedthru capacitor

Packaging

Machined aluminum enclosure case

Nickel plated per MIL-C-26074

POWER REQUIREMENTS

Warm-Up Power

10 Watts for 30 minutes

Total Power

5 Watts at +25°C

Supply Voltage

+15 VDC

ADJUSTMENT

Mechanical Tuning

$\pm 1 \times 10^{-6}$

Electrical Tuning

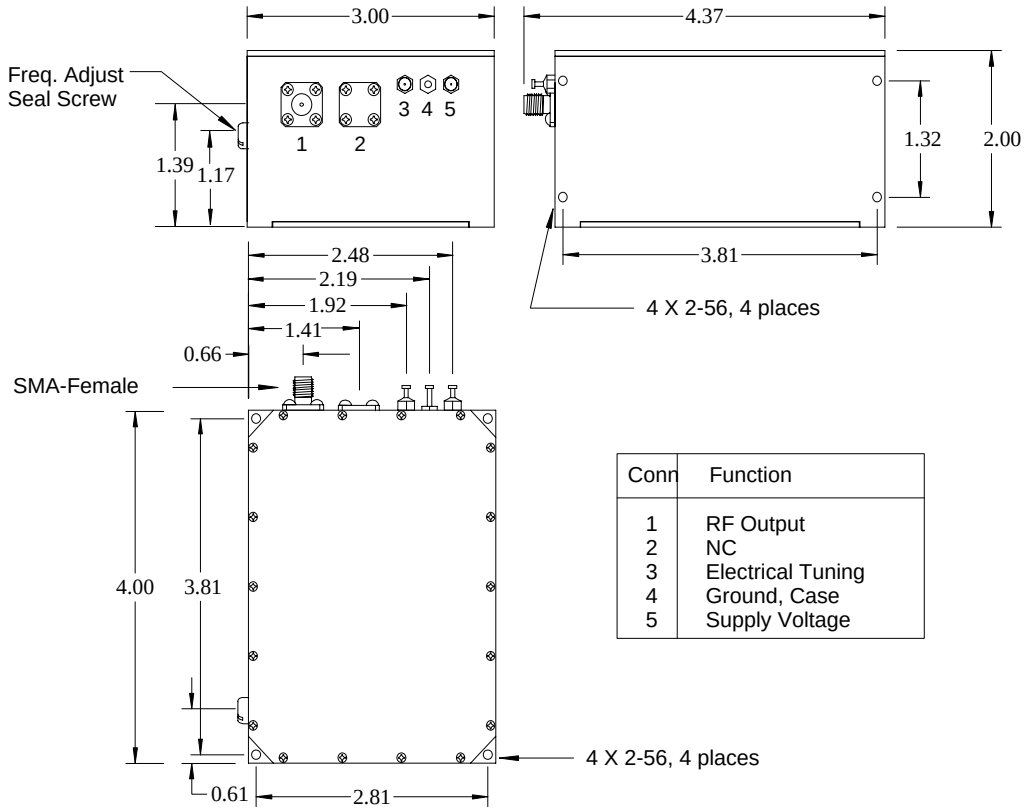
$\pm 2 \times 10^{-7}$, ±5 VDC

Negative slope

CRYSTAL

Type

10 MHz SC-cut



Conn	Function
1	RF Output
2	NC
3	Electrical Tuning
4	Ground, Case
5	Supply Voltage

Connector numbers are for reference only.
They may not appear on unit.

Wenzel Associates, Inc.
Austin, Texas

Title:
10 MHz-SC Blue Top Ultra Low Noise Oscillator

P/N:	Rev:	Date:	Drawn:	Ref:
501-07128	**F**	**08-30-05**		501-07127

Tolerances: (except as noted) Dimensions are in inches	0.XX Dec:	0.XXX Dec:	FSCM:	Page 1 of 1
	±0.030”	±0.010”	62821	