

OUTPUT

Frequency

10 MHz

Level

+13 dBm ± 2 dB into 50 ohms

STABILITY

Aging

5×10^{-10} per day

after 30 days operating, typical

Phase Noise L(f), dBc/Hz

1 Hz -118

10 Hz -148

100 Hz -162

1 KHz -168

10 KHz -170

100 KHz -172

Temperature Stability

$\pm 5 \times 10^{-10}$, 0° to +50°C

MECHANICAL

Dimensions

4 x 3 x 2"

Connectors

SMA(f) and feedthru capacitor

Packaging

Nickel-plated machined
aluminum enclosure case

POWER REQUIREMENTS

Warm-Up Power

10 Watts for 30 minutes

Total Power

5 Watts at +25°C

Supply Voltage

+15 VDC $\pm 5\%$

ADJUSTMENT

Mechanical Tuning

$\pm 2 \times 10^{-7}$

Electrical Tuning

$\pm 1 \times 10^{-6}$, 0 to +10 VDC

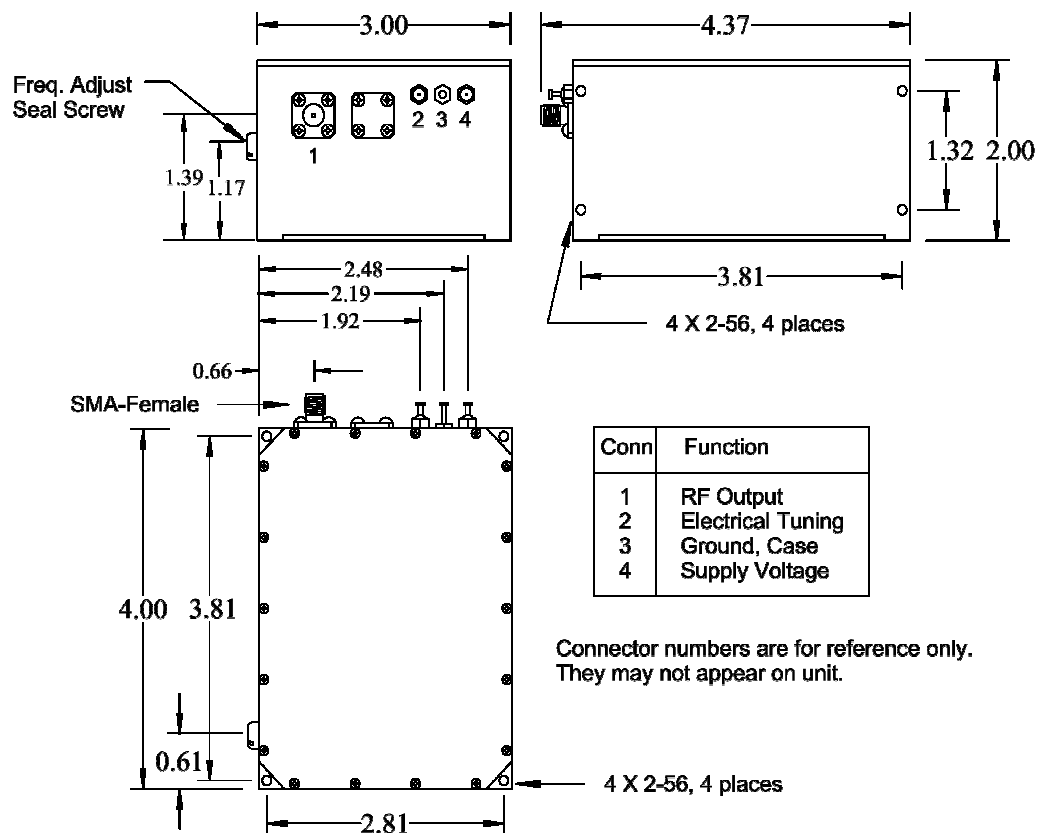
Negative slope

CRYSTAL

Type

5 MHz SC-cut (x2)

REV	DATE	REVISION RECORD	DWN	AUTH
-	12-22-15	Initial Release	Liz	



Conn	Function
1	RF Output
2	Electrical Tuning
3	Ground, Case
4	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:

501-29647

Rev:

-

Date:

12-22-15

Drawn:

Ref:

501-28227

Tolerances:
(except as noted)
Dimensions are in inches

0.XX Dec:
 ± 0.030 "

0.XXX Dec:
 ± 0.010 "

FSCM:
62821

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