

OUTPUT

Frequency

10 MHz (Single or Dual)

Level

+13 dBm ± 2 dB into 50 ohms, each output

STABILITY

Aging

2.5×10^{-10} per day

after 30 days operating, typical

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

Premium Phase Noise L(f)

10 MHz

1 Hz -113 dBc /Hz

10 Hz -143 dBc/Hz

100 Hz -161 dBc/Hz

1 KHz -173 dBc/Hz

10 KHz -174 dBc/Hz

100 KHz -175 dBc/Hz

Temperature Stability

$\pm 5 \times 10^{-10}$, 0° to +50°C (Ref +25°C)

MECHANICAL

Dimensions

4 x 3 x 2"

Connectors

A: SMA(f) and feedthru capacitor

B: SMA(f) x 2 and feedthru capacitor (for Dual Output)

Packaging

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 $\pm 5\%$ or +12 VDC $\pm 5\%$

ADJUSTMENT

(consult factory for non standard tuning options)

Mechanical Tuning

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

Electrical Tuning

$\pm 2 \times 10^{-7}$, ± 5 VDC

Negative slope

CRYSTAL

Type

10 MHz SC-cut

REV	DATE	REVISION RECORD	DWN	AUTH
-	11-19-13	Draft	CB	

Ordering Options

-xx	Voltage	Package
11	+15V	A
15	+15V	B
31	+12V	A
35	+12V	B



Wenzel Associates, Inc.

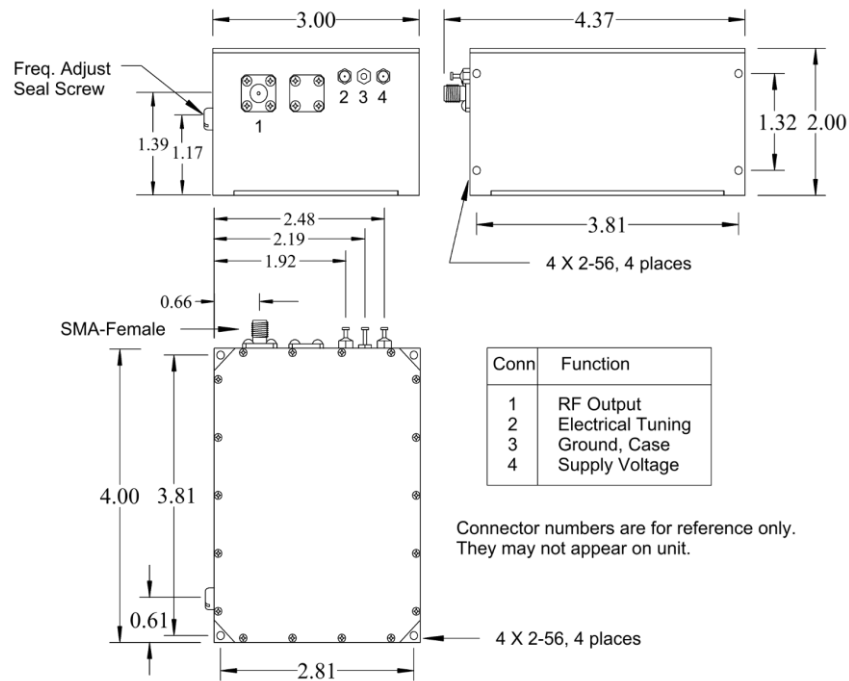
Austin, Texas

Title:

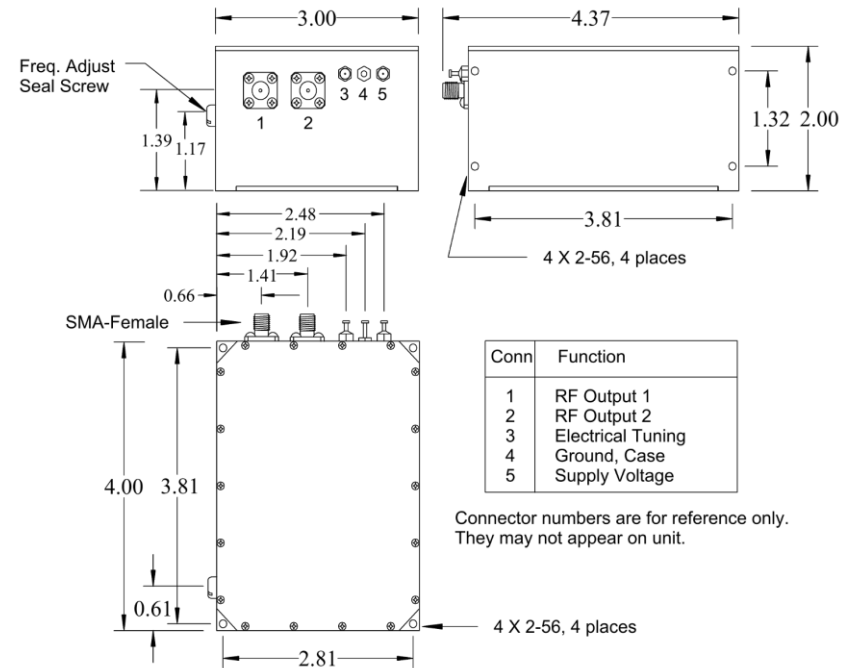
Premium 10 MHz-SC Blue Top Ultra Low Noise Osc.

P/N: 501-27503-xx	Rev: -	Date: 11-19-13	Drawn:	Ref:
Tolerances: (except as noted) Dimensions are in inches	0.XX Dec: ± 0.030"	0.XXX Dec: ± 0.010"	FSCM: 62821	Page 1 of 2

Package A



Package B



Wenzel Associates, Inc.

Austin, Texas

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-

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62821

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