

OUTPUT**Frequency**

5 MHz (Single or Dual)

Level

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

STABILITY**Aging**1 x 10⁻¹⁰ per day

after 30 days operating, typical

2.5 x 10⁻¹⁰ per day at time of shipment**Premium Phase Noise L(f)****5 MHz**

1 Hz -120 dBc/Hz

10 Hz -150 dBc/Hz

100 Hz -170 dBc/Hz

1 KHz -176 dBc/Hz

10 KHz -176 dBc/Hz

100 KHz -176 dBc/Hz

Temperature Stability±5 x 10⁻¹⁰, 0° to +50°C (Ref +25C)**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 ±5% or +12 VDC ±5%

ADJUSTMENT

(consult factory for non standard tuning options)

Mechanical Tuning±1 x 10⁻⁶**Electrical Tuning**±2 x 10⁻⁷, ±5 VDC

Negative slope

CRYSTAL**Type**

5 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 5 MHz-SC Blue Top Ultra Low Noise Osc.

P/N:

501-27502-xx

Rev:

-

Date:

11-19-13

Drawn:

Ref:

Tolerances:
(except as noted)
Dimensions are in inches

0.XX Dec:

±0.030"

0.XXX Dec:

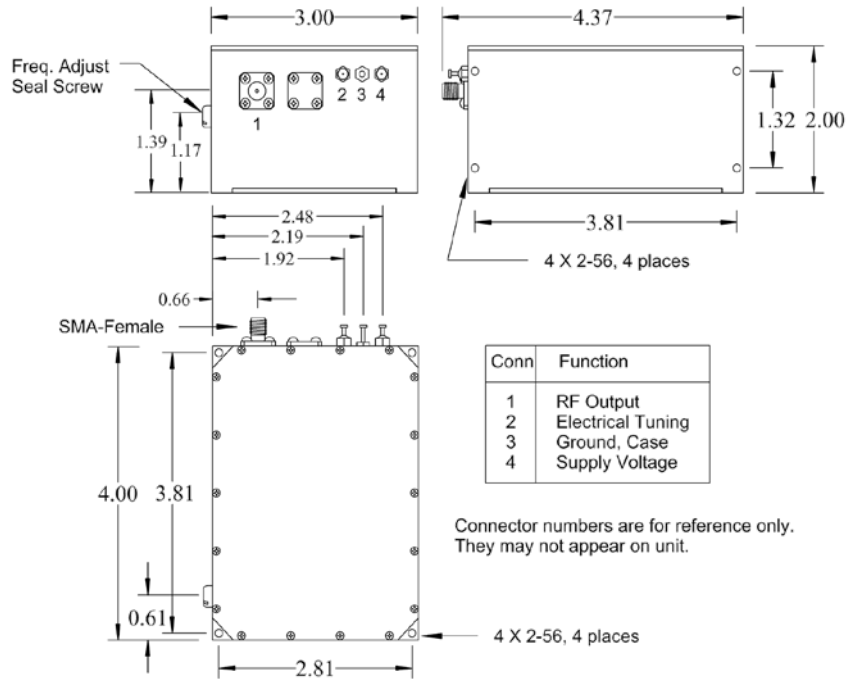
±0.010"

FSCM:

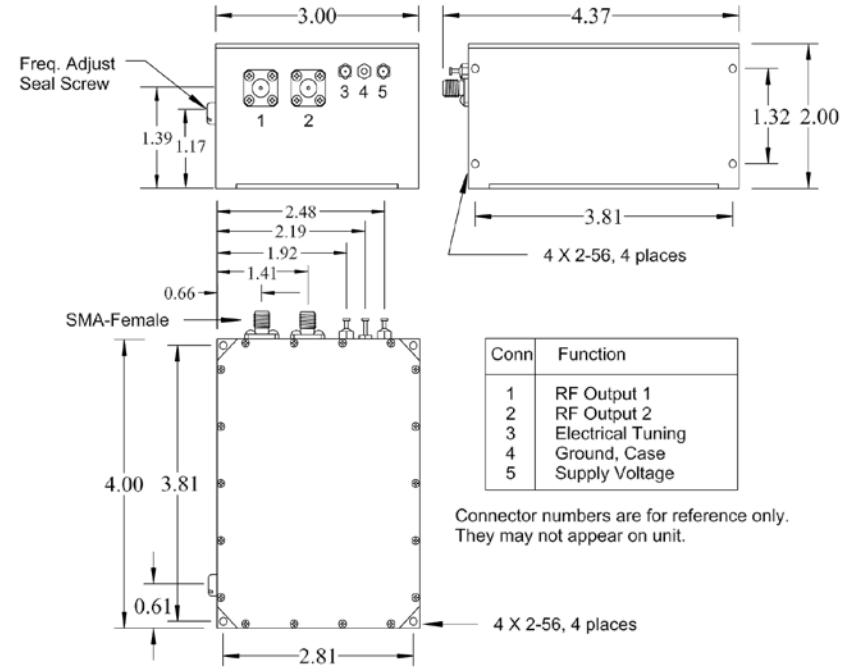
62821

Page 1 of 2

Package A



Package B



Wenzel Associates, Inc.

Austin, Texas

Title:

Premium 5 MHz-SC Blue Top Ultra Low Noise Osc.

P/N:
501-27502-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 **2** of **2**