

**OUTPUT****Frequency**

10 MHz (Single or Dual)

**Level**

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

**STABILITY****Aging**2.5 x 10<sup>-10</sup> per day

after 30 days operating, typical

5 x 10<sup>-10</sup> 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**±5 x 10<sup>-10</sup>, 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<sup>-6</sup>**Electrical Tuning**±2 x 10<sup>-7</sup>, ±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:

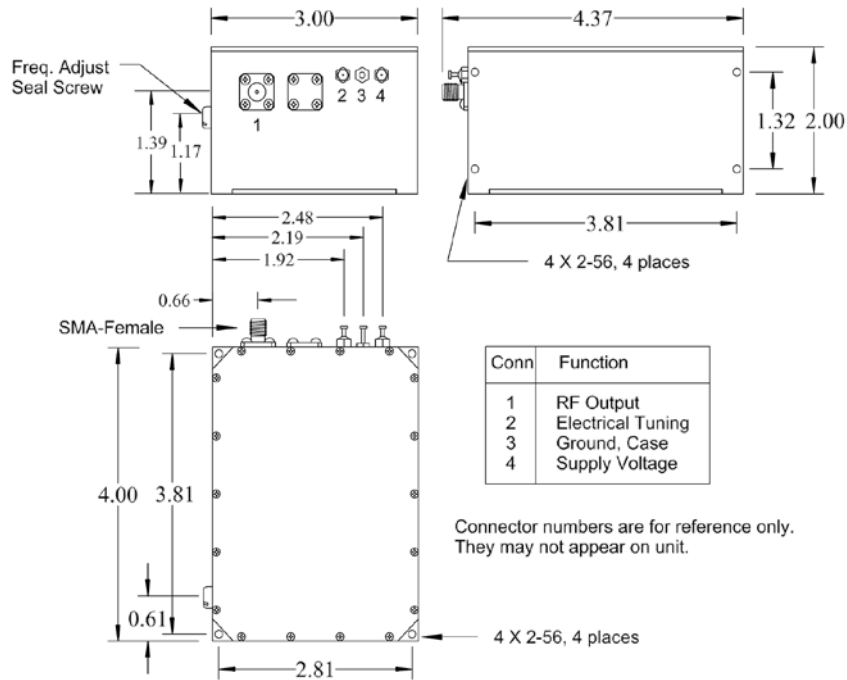
±0.010"

FSCM:

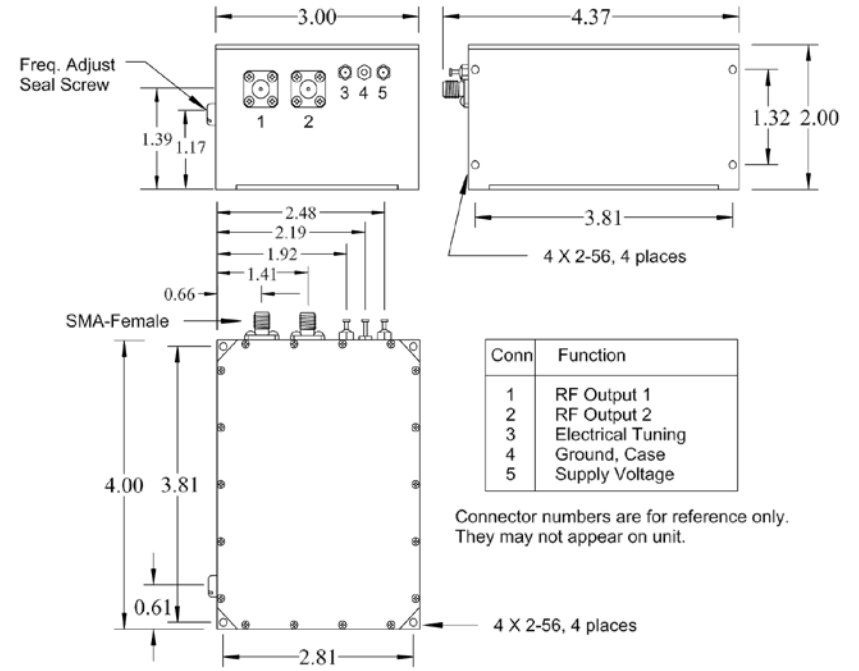
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### Package A



### Package B



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