

REV	DATE	REVISION RECORD	DWN	AUTH
-	07-01-14	Initial Release	PAC	

**OUTPUT**

**Frequency**

10 MHz

**Level**

+13 dBm ±2 dB into 50 ohms

**STABILITY**

**Aging**

5 x 10<sup>-10</sup> per day  
after 30 days operating, typical

**Phase Noise L(f), dBc/Hz**

1 Hz -113  
10 Hz -143  
100 Hz -160  
1 KHz -168  
10 KHz -170  
100 KHz -172

**Temperature Stability**

±5 x 10<sup>-10</sup>, 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 ±5%

**ADJUSTMENT**

**Mechanical Tuning**

±2 x 10<sup>-7</sup>

**Electrical Tuning**

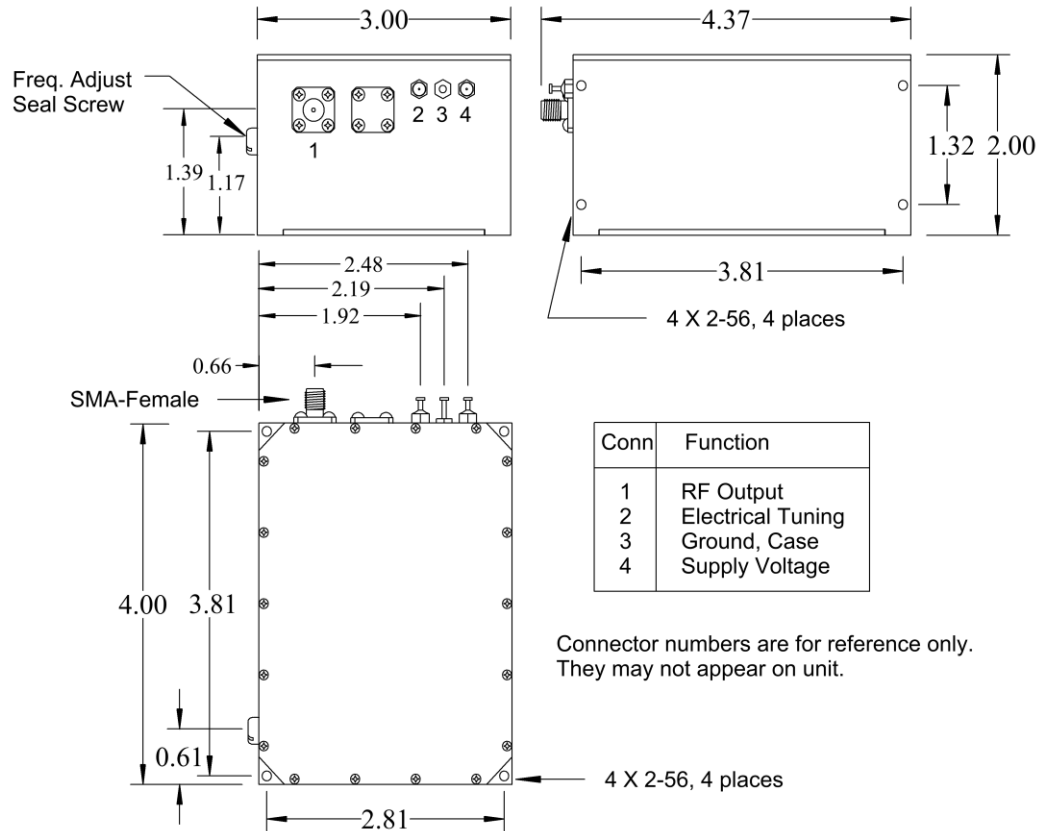
±1 x 10<sup>-6</sup>, 0 to +10 VDC

Negative slope

**CRYSTAL**

**Type**

5 MHz SC-cut (x2)



**Wenzel Associates, Inc.**

Austin, Texas

Title:

**10 MHz-SC Blue Top Ultra Low Noise Oscillator**

P/N:

**501-28227**

Rev:

-

Date:

**07-01-14**

Drawn:

Ref:

501-27149

Tolerances:  
(except as noted)  
Dimensions are in inches

0.XX Dec:  
**±0.030"**

0.XXX Dec:  
**±0.010"**

FSCM:  
**62821**

Page 1 of 1