

## OUTPUT

### Frequency

23.3335 MHz

### Level

+13  $\pm$ 2 dBm into 50 ohms

## STABILITY

### Aging

$5 \times 10^{-10}$  per day

after 30 days operating, typical

### Phase Noise L(f)

1 Hz - 93 dBc/Hz

10 Hz -123 dBc/Hz

100 Hz -148 dBc/Hz

1 KHz -168 dBc/Hz

10 KHz -168 dBc/Hz

### Temperature Stability

$\pm 5 \times 10^{-9}$ , 0° to +50°C

### Harmonics

-30 dBc

### Spurious

-80 dBc, excluding power supply line  
related spurs

## MECHANICAL

### Dimensions

4 x 3 x 2"

### Connectors

SMA(f) and feedthru capacitor

### Packaging

Nickel plated machined aluminum case

## POWER REQUIREMENTS

### Warm-Up Power

< 13 Watts for 30 minutes

### Total Power

< 6 Watts at +25°C

### Supply Voltage

+15 VDC  $\pm$ 5%

## ADJUSTMENT

### Mechanical Tuning

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

### Electrical Tuning

$\pm 2 \times 10^{-7}$ ,  $\pm 5$  VDC

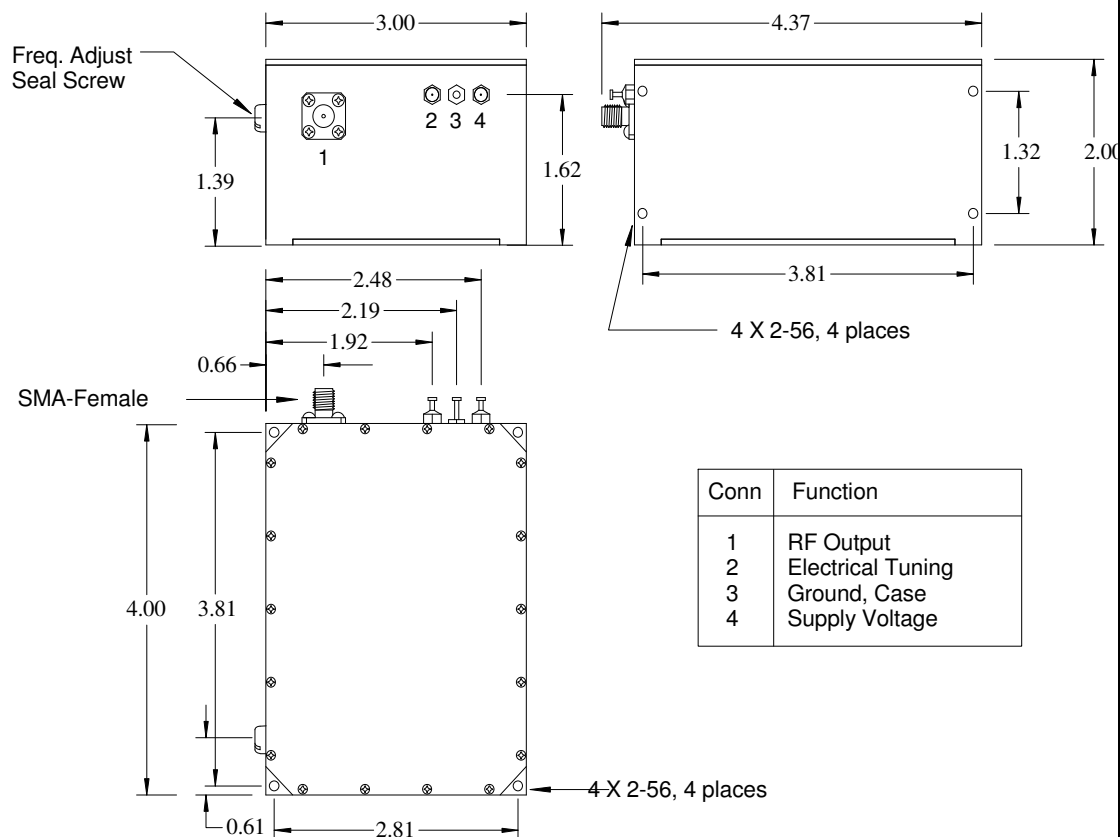
Negative slope

## CRYSTAL

### Type

11.66675 MHz SC-cut w/ x2 stage

REV	DATE	REVISION RECORD	DWN	AUTH
-	03-31-15	Initial Release	ss	PAC



Mark connectors as shown.



**Wenzel Associates, Inc.**

Austin, Texas

Title:

**23.3335 MHz-SC Blue Top Ultra Low Noise Osc.**

P/N:

**501-28915**

Rev:

-

Date:

**03-31-15**

Drawn:

Ref:

Tolerances:  
(except as noted)  
Dimensions are in inches

0.XX Dec:

**$\pm 0.030$ "**

0.XXX Dec:

**$\pm 0.010$ "**

FSCM:

**62821**

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