

REV	DATE	REVISION RECORD	DWN	AUTH
-	03-05-99	Draft	BH	
A	07-30-99	Can Dimensions	KP	KW
B	06-21-01	Mechanical Tuning Height	KW	JR
C	01-15-02	Increase total power by 1 watt	KM	ML
D	03-27-03	Changed Freq Adj Screw	SS	
E	02-11-05	Corrected drawing	SS	ML

**OUTPUT**

**Frequency**

5 MHz

**Level**

+13 ±2dBm into 50 ohms

**STABILITY**

**Aging**

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

**Phase Noise L(f)**

1 Hz -115 dBc  
10 Hz -145 dBc  
100 Hz -165 dBc  
1 KHz -176 dBc

**Temperature Stability**

±1 x 10<sup>-9</sup>, 0° to +60°C

**MECHANICAL**

**Dimensions**

4 x 3 x 2"

**Connectors**

SMA and feedthru capacitor

**Packaging**

Machined aluminum enclosure case  
Nickel plated per MIL-C-26074

**POWER REQUIREMENTS**

**Warm-Up Power**

10 Watts for 30 minutes

**Total Power**

5 Watts at +25°C

**Supply Voltage**

+15 VDC

**ADJUSTMENT**

**Mechanical Tuning**

±1 x 10<sup>-6</sup>

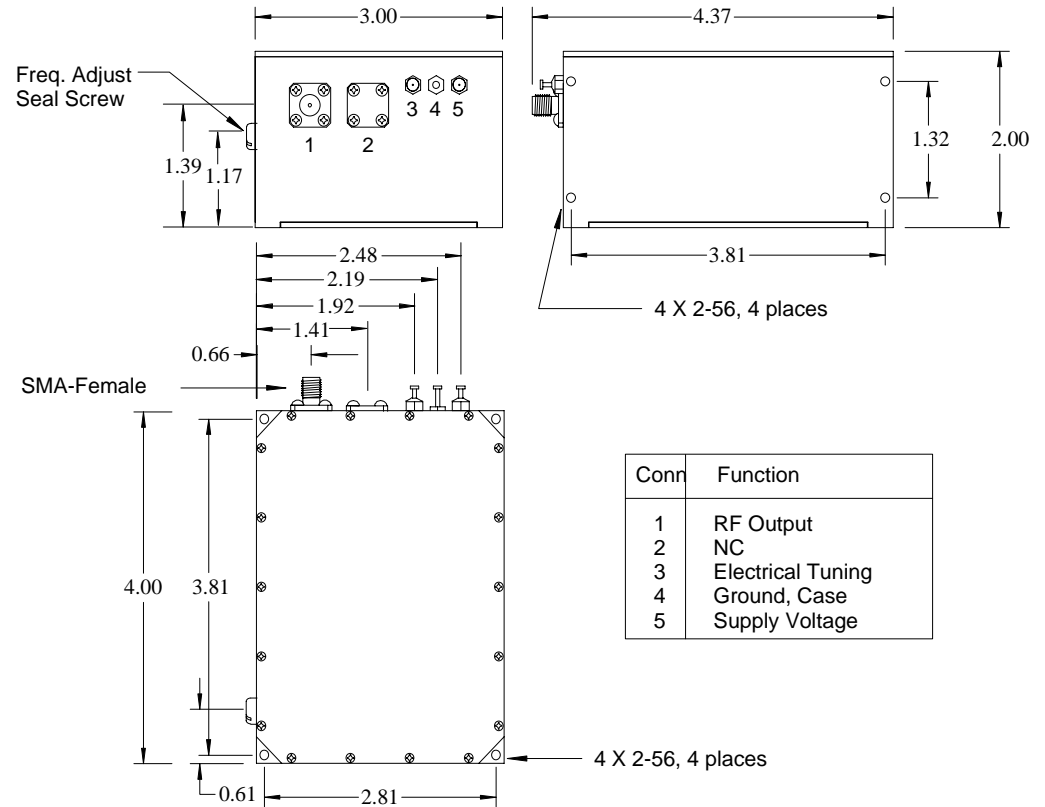
**Electrical Tuning**

±2 x 10<sup>-7</sup>, ±5 VDC  
Negative slope

**CRYSTAL**

**Type**

5 MHz SC-cut



Connector numbers are for reference only.  
They may not appear on unit.



**Wenzel Associates, Inc.**

Austin, Texas

Title:

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

P/N:

**501-07176**

Rev:

**E**

Date:

**02-11-05**

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 1