

REV	DATE	REVISION RECORD	DWN	AUTH
-	06-15-99	Draft	MS	
A	07-30-99	Can Dimensions	KP	KW
B	04-20-00	Crystal Type, Phase Noise	KW	LR
C	06-21-01	Mechanical Tuning Height	KW	JR
D	03-27-03	Changed Freq Adj Screw on Drawing	SS	

**OUTPUT**

**Frequency**

10 MHz Dual

**Level**

+13 ±2dBm into 50 ohms

**STABILITY**

**Aging**

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

2.5 x 10<sup>-10</sup> per day at time of shipment

**Phase Noise L(f)**

1 Hz -100 dBc/Hz  
10 Hz -130  
100 Hz -160  
1 kHz -172  
10 kHz -173  
20 kHz -174

**Temperature Stability**

±5 x 10<sup>-10</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>

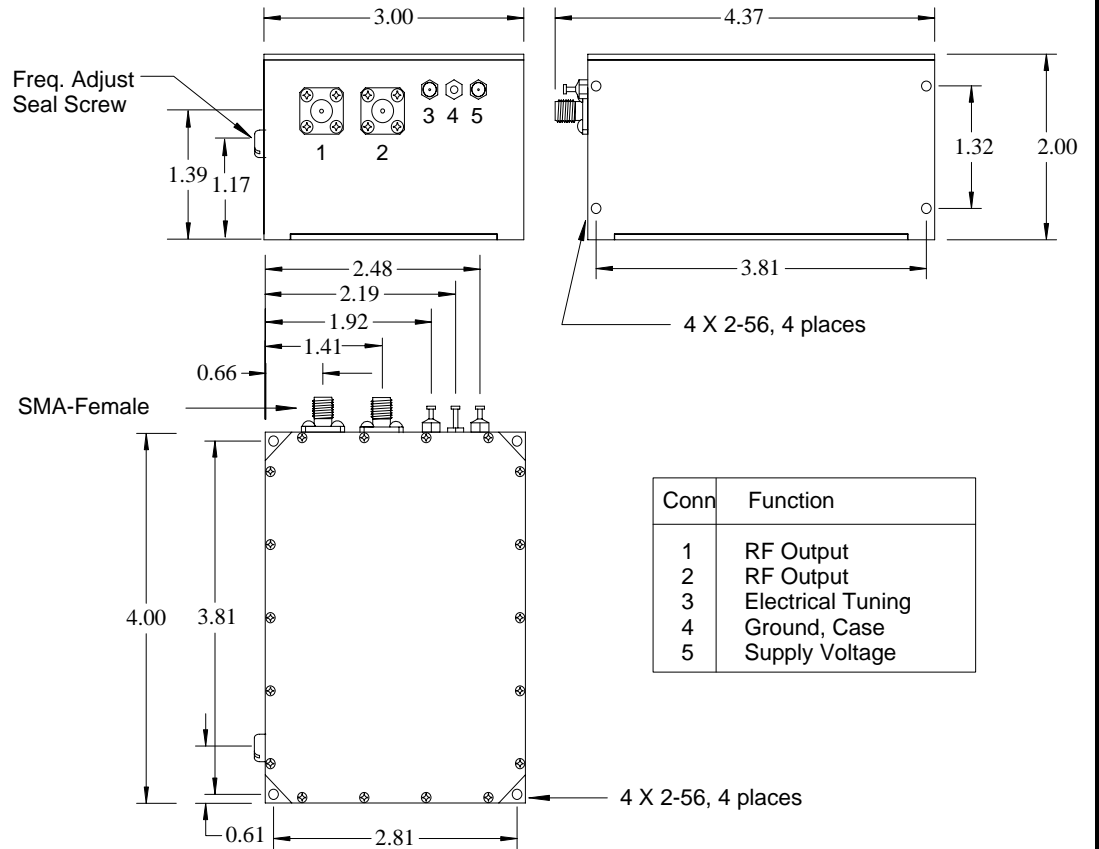
**Electrical Tuning**

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


**CRYSTAL**

**Type**

10 MHz SC-cut



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

 <b>Wenzel Associates, Inc.</b> Austin, Texas				
Title: <b>10 MHz-SC Dual Blue Top Ultra Low Noise Osc.</b>				
P/N: <b>501-07130</b>	Rev: <b>D</b>	Date: <b>03-27-03</b>	Drawn:	Ref: 501-07127
Tolerances: (except as noted) Dimensions are in inches	0.XX Dec: <b>±0.030"</b>	0.XXX Dec: <b>±0.010"</b>	FSCM: <b>62821</b>	Page 1 of 1