

REV	DATE	REVISION RECORD	DWN	AUTH
-	01-27-99	Draft	BH	
A	03-05-99	Can, Phase Noise, Temp. Stability	MS	
B	07-30-99	Can Dimension	KP	KW
C	06-21-01	Mechanical Tuning Height	KW	JR
D	01-15-02	Total Power increase by 1 Watt	KM	ML
E	03-26-03	Correct Freq. Adj Screw on Drawing	SS	
F	02-11-05	Corrected Drawing	SS	ML

OUTPUT

Frequency

5 MHz

Level

+13 ±2dBm into 50 ohms

STABILITY

Aging

1 x 10⁻¹⁰ per day
 after 30 days operating, typical
 2.5 x 10⁻¹⁰ per day at time of shipment

Phase Noise L(f)

1 Hz -120 dBc/Hz
 10 Hz -150 dBc/Hz
 100 Hz -170 dBc/Hz
 1 kHz -176 dBc/Hz

Temperature Stability

±5 x 10⁻¹⁰, 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 10⁻⁶

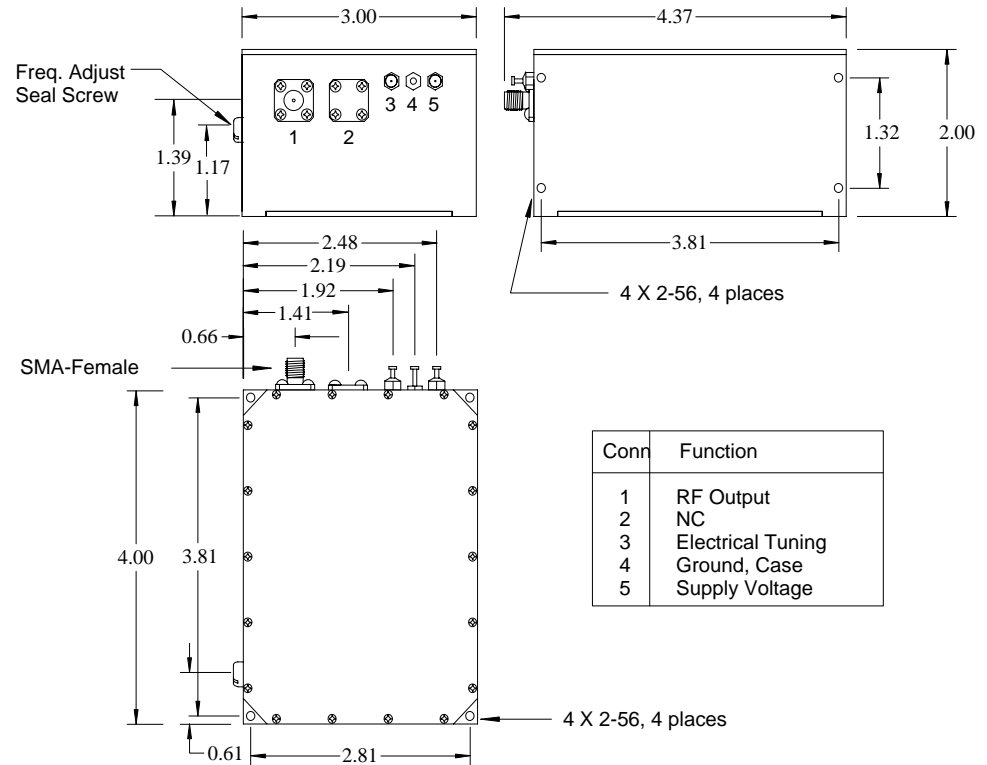
Electrical Tuning

±2 x 10⁻⁷, ±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: Premium 5 MHz-SC Blue Top Ultra Low Noise Osc.				
P/N: 501-07127	Rev: F	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