

REV	DATE	REVISION RECORD	DWN	AUTH
-	06-15-99	Draft	MS	
A	07-30-99	Can Dimensions	KP	KW
B	06-08-01	Phase Noise	PC	KH
C	06-21-01	Mechanical Tuning Height	KW	JR
D	08-29-01	Phase Noise	KH	JR
E	03-27-03	Correct Freq Adj Screw on Drawing	SS	

OUTPUT

Frequency

5 MHz/10 MHz Dual

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)

	5 MHz	10 MHz
1 Hz	-120 dBc	-113 dBc
10 Hz	-150 dBc	-143 dBc
100 Hz	-168 dBc	-160 dBc
1 KHz	-174 dBc	-166 dBc
10 KHz	-175 dBc	-168 dBc
20 KHz	-175 dBc	-168 dBc

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

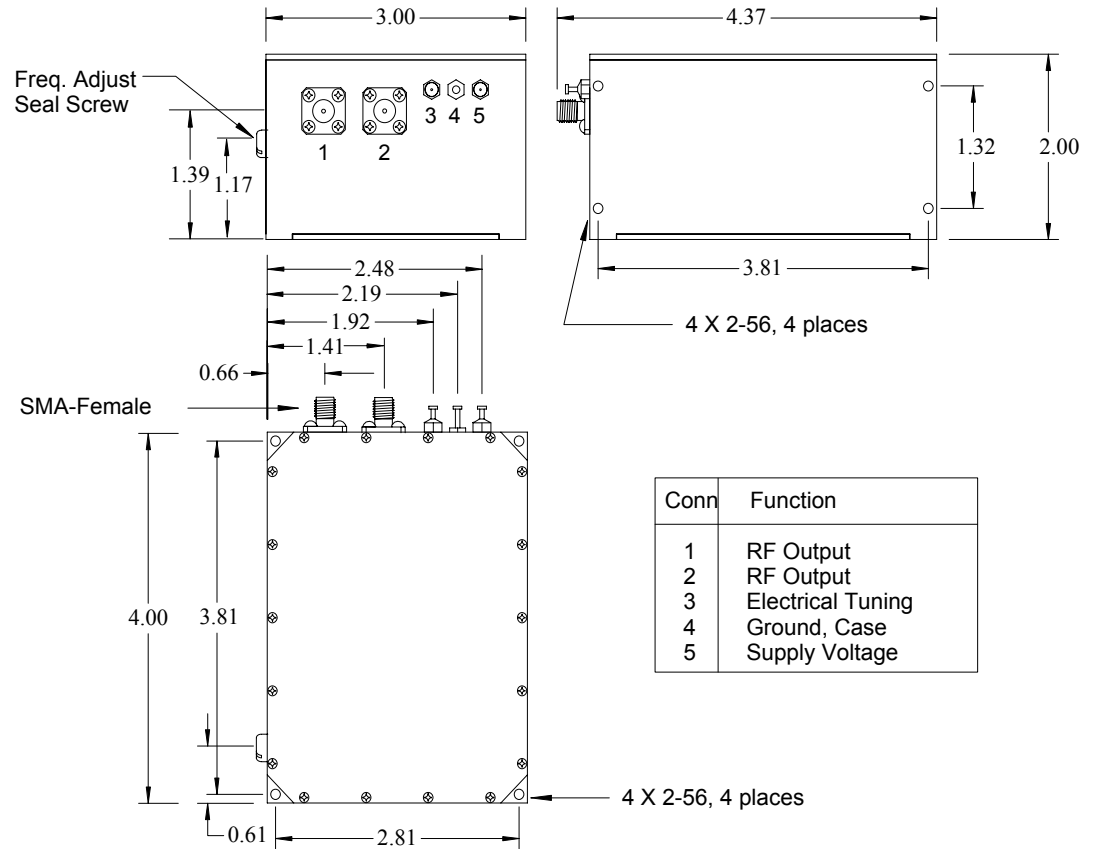
±2 x 10⁻⁷, ±5 VDC

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:

5/10 MHz-SC Dual Blue Top Ultra Low Noise Osc.

P/N:

501-07131

Rev:

E

Date:

03-27-03

Drawn:

Ref:

501-07127

Tolerances:
(except as noted)
Dimensions are in inches

0.XX Dec:
±0.030"

0.XXX Dec:
±0.010"

FSCM:
62821

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