

OUTPUT

Frequency

Fixed between 3.6 and 4.4 GHz
Please specify frequency when ordering

Level

+13 dBm ±2 dBm, into 50 ohms

STABILITY

Aging

5 x 10⁻⁷ per year, first year
after 30 days operating, typical
2 x 10⁻⁷ per year thereafter, typical

Phase Noise L(f), typical

100 Hz -94 dBc/Hz
1 KHz -122 dBc/Hz
10 KHz -140 dBc/Hz
20 KHz -140 dBc/Hz

Temperature Stability

±1 x 10⁻⁷, 0° to +50°C (Ref +25°C)

Sub-Harmonics

-50 dBc

MECHANICAL

Dimensions

2.50 x 5.00 x .80"

Connectors

SMA and solder pins

Packaging

Machined aluminum housing

POWER REQUIREMENTS

Warm-Up Power

10.0 Watts for 5 minutes

Total Power

7.5 Watts at +25°C

Supply Voltage

+15 VDC

ADJUSTMENT

Electrical Tuning

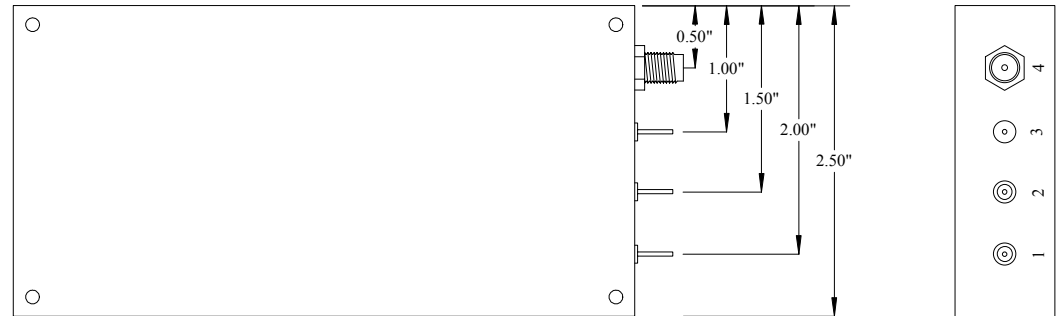
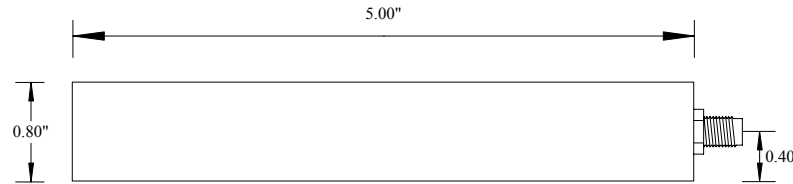
±5 x 10⁻⁶, ±5 VDC
Negative slope

CRYSTAL

Type

SC-cut, 1/40 of output frequency

REV	DATE	REVISION RECORD	DWN	AUTH
-	02-17-05	Draft	BB	LR



CONN	FUNCTION
1	ET
2	Supply Voltage
3	Ground, Case
4	RF Output



Wenzel Associates, Inc.

Austin, Texas

Title:

3.6 to 4.4 GHz Ultra Low Noise Oscillator

P/N:

501-14041

Rev:

-

Date:

02-17-05

Drawn:

Ref:

Tolerances:
(except as noted)
Dimensions are in inches

0.XX Dec:
±0.030"

0.XXX Dec:
±0.010"

FSCM:
62821

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