

EXTERNAL REFERENCE INPUT

Frequency
5 MHz
Level
0 dBm ±3dB into 50 ohms

OUTPUT

Frequency
5 MHz
Level
+10 dBm ±2 dB into 50 ohms

STABILITY

Aging
5 x 10⁻¹⁰ /day after 30 days operating
5 x 10⁻⁸ /year, second year, typical

Phase Noise L(f), unlocked

10 Hz -130 dBc
100 Hz -155 dBc
1 KHz -165 dBc

Temperature Stability

±1x10⁻⁸, 0° to +50°C (Ref +25°C), unlocked

Frequency Accuracy

±5x10⁻⁸ at time of shipment (+25°C)

Type 2 Loop Characteristics

Target BW: ≤1 Hz
<5 minute to within ±1x10⁻⁹ of input

MECHANICAL

Dimensions

2.375" x 2.750" x 1.1" housing with bracket,
mounting holes, Diam. 0.125"

Connectors

SMA Output, SMA Input,
Feedthru capacitors

Packaging

Solder sealed steel can

POWER REQUIREMENTS

Warm-Up Power

<6 Watts for 5 minutes

Total Power

<4 Watts at +25°C

Supply Voltage

+15 VDC

ADJUSTMENT

Mechanical, for Frequency Accuracy

±5 x 10⁻⁷, typical

CRYSTAL

Type

5 MHz SC-cut

STATUS BITS

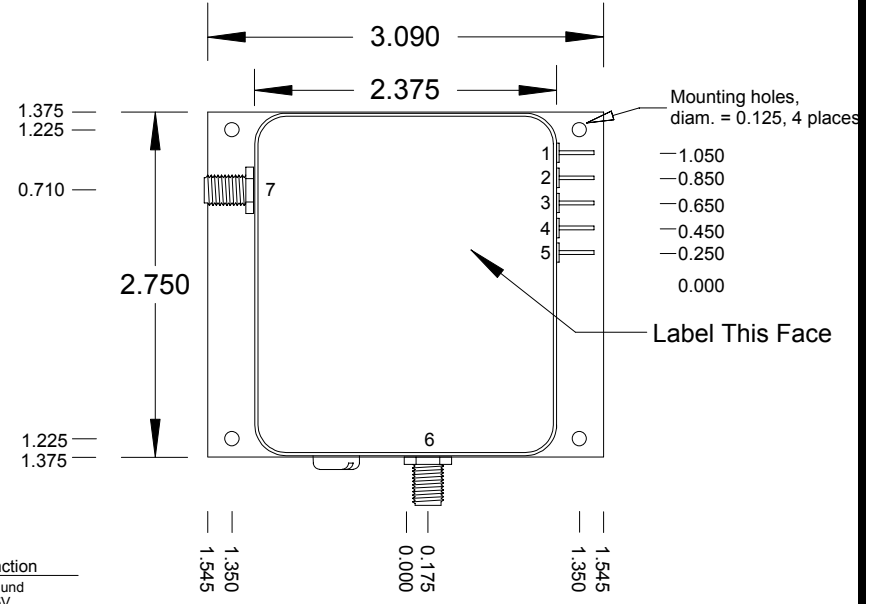
External Reference Loss

TTL, Low = loss of reference
Oscillator will "self" center when
reference is lost.

Out-of-Lock Alarm

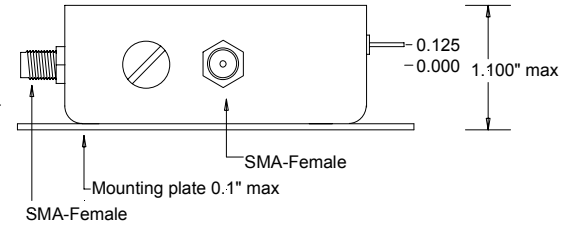
TTL, Low = Locked

REV	DATE	REVISION RECORD	DWN	AUTH
-	04-02-08	Draft	VG	



Pin	Function
1	Ground
2	+15V
3	External Ref. Detect
4	Out of Lock
5	Phase Voltage
6	External Ref. In
7	RF Out

Connector numbers are for reference only.
They are not marked on unit.



Wenzel Associates, Inc. Austin, Texas				
Title: 5 MHz-SC Phase Locked Crystal Oscillator				
P/N: 501-18962	Rev: -	Date: 04-02-08	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