

OUTPUT

Frequency
10 MHz

Level
+13 dBm ±2 dB into 50 ohms

EXTERNAL REFERENCE INPUT

Frequency
5 or 10 MHz, ±300 ppb

Level
+4 dBm ±3dB into 50 ohms

STABILITY**Aging**

1×10^{-9} /day after 24 hours
operating

5×10^{-8} /year, second year, typical

Phase Noise L(f)

10 Hz -130 dBc

100 Hz -155 dBc

1 KHz -165 dBc

Temperature Stability

$\pm 1 \times 10^{-8}$, 0° to +50°C (Ref +25°C)

Subharmonics (5 MHz)

-30 dBc, maximum

Type 2, 3rd order PLL

BW @ .1 Hz, nominal

<5 minute to within $\pm 1 \times 10^{-9}$ of input

MECHANICAL**Dimensions**

1.75" x 2.938" x 0.6" housing

2.25" x 3.40" footprint with brackets

Connectors

SMA Output, SMA Input,
Feedthru capacitors

Packaging

Sealed steel can

POWER REQUIREMENTS**Electrical Tuning**

$\pm 1 \times 10^{-6}$, 0 to +5 VDC

Electrical tuning disengaged

When external signal present

Warm-Up Power

7 Watts for 5 minutes

Total Power

3.5 Watts at +25°C

Supply Voltage

+12 or +15 VDC

CRYSTAL**Type**

10 MHz SC-cut

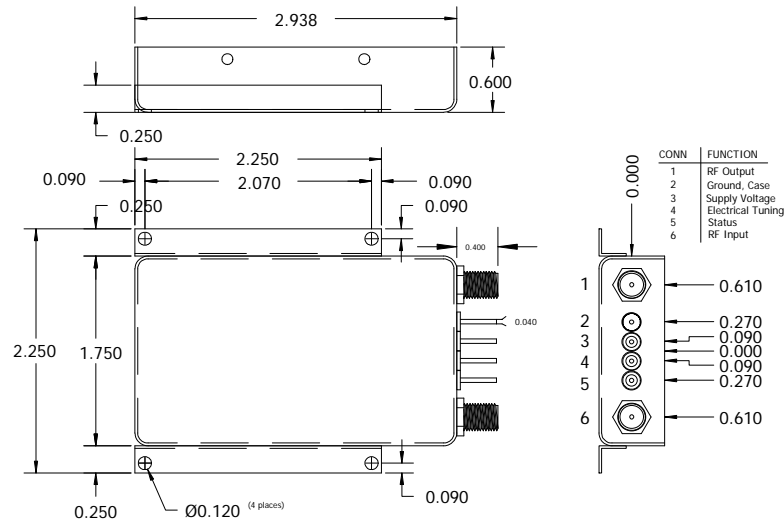
STATUS PIN**External Reference Loss****& Out-of-Lock Alarm**

TTL, Low = loss of reference,

Not locked

TTL, High = locked

REV	DATE	REVISION RECORD	DWN	AUTH
-	03-12-13	Draft	BH	



Wenzel Associates, Inc.
Austin, Texas

Title:

10 MHz-SC Analog Phase Lock Oscillator

P/N:

501-26673

Rev:

-

Date:

03-12-13

Drawn:

Ref:

501-16657

Tolerances:
(except as noted)
Dimensions are in inches

0.XX Dec:

±0.030"

0.XXX Dec:

±0.010"

FSCM:

62821

Page 1 of 1