

**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**

$1 \times 10^{-9}$  /day after 24 hours  
operating

$5 \times 10^{-8}$  /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, 3<sup>rd</sup> 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

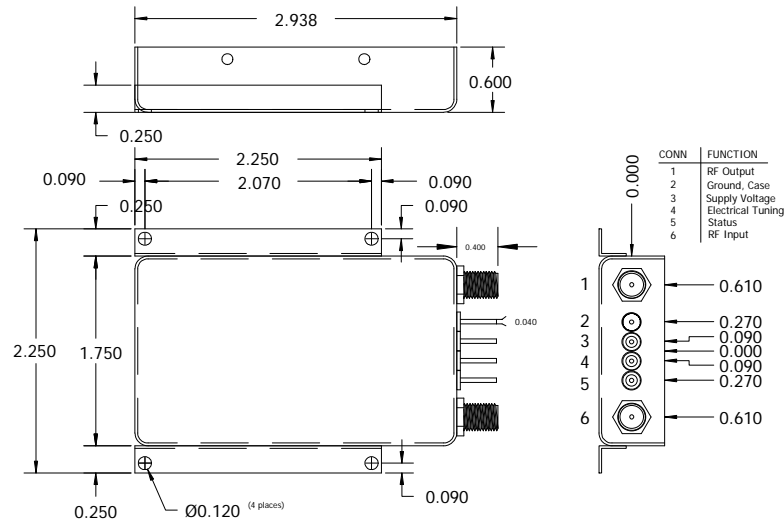
**STATUS PIN****External Reference Loss****& Out-of-Lock Alarm**

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**

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