

OUTPUT**Frequency**

10 MHz

Level

+2 dBm ±2 dB into 50 ohms

INPUT**Frequency**

5 or 10 MHz auto select

Level

+4 ±3 dBm into 50 ohms output impedance

Threshold +.5 to 1.0 dBm

STABILITY**Aging**5 x 10⁻¹⁰ /days after 30 days operating5 x 10⁻⁸ /year, second year, typical**Phase Noise L(f)**

10 Hz -130 dBc/Hz

100 Hz -155 dBc/Hz

1 kHz -165 dBc/Hz

Temperature Stability±1x10⁻⁸, -40° to +60°C (Ref +25°C)**Type 1 Loop Characteristics**<5 minutes to within ±5x10⁻⁸Lock Range ±.5x10⁻⁶**MECHANICAL****Dimensions**

2.94 x 1.75 x 1"

Connectors

Input Connector: BNC female

Output Connectors: SMA and feedthru capacitor

Packaging

Steel can with gasketed access screw and threaded inserts on base

POWER REQUIREMENTS**Warm-Up Power**

6 Watts for 5 minutes

Total Power

3 Watts at +25°C

Supply Voltage

+15 VDC

ADJUSTMENT**Mechanical Tuning**±3 x 10⁻⁶ min., 20 Turn Control**CRYSTAL****Type**

10 MHz SC-cut

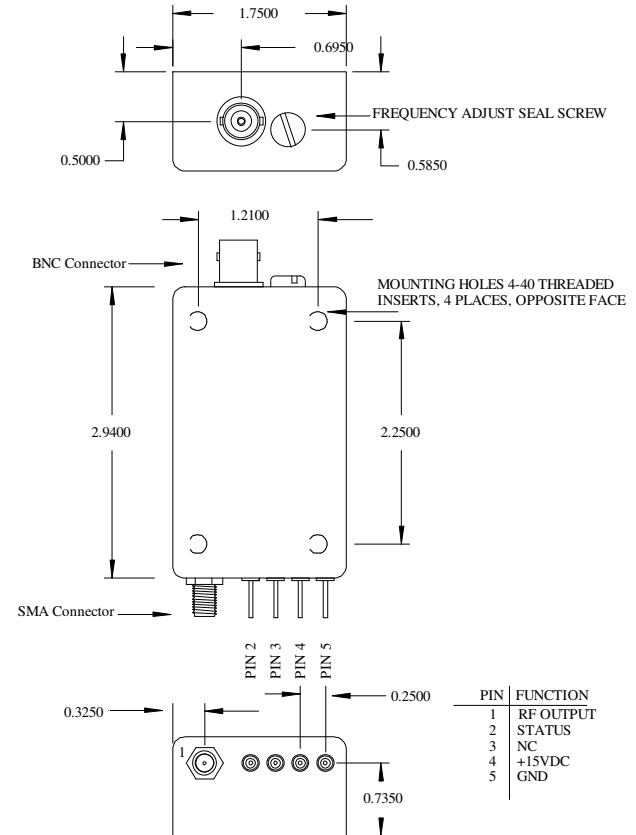
STATUS BITS**External Reference Loss**

TTL, Low = loss of reference

Out-of-Lock Alarm

TTL, Low = locked

REV	DATE	REVISION RECORD	DWN	AUTH
-	07-23-03	Draft	SS	LR

**Wenzel Associates, Inc.**

Austin, Texas

Title:

10 MHz-SC Digital Phase Locked Loop Crystal Osc.

P/N:

501-10967

Rev:

-

Date:

07-23-03

Drawn:

Ref:

Tolerances:
(except as noted)
Dimensions are in inches0.XX Dec:
±0.030"0.XXX Dec:
±0.010"FSCM:
62821

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