

**OUTPUT****Frequency**

125 MHz

**Level**

+18 dBm ±2 dB into 50 ohms

**STABILITY****Aging**1 x 10<sup>-6</sup> per year

after 30 days operating, typical

**Phase Noise L(f), Static**

100 Hz -130 dBc/Hz

1 kHz -156 dBc/Hz

10 kHz -180 dBc/Hz

100 kHz -188 dBc/Hz

**Temperature Stability**±2 x 10<sup>-7</sup>, 0° to +50°C (Ref +25°C)**Harmonics**

≤ -30 dBc

**Spurious**

≤ -90 dBc, excluding power supply line related spurs

**MECHANICAL****Dimensions**

2 x 2 x 0.7"

**Connectors**

SMA(f) and solder pins on side

**Packaging**

Nickel-plated machined aluminum case – CV-1A

**POWER REQUIREMENTS****Warm-Up Power**

≤ 8 Watts for 5 minutes

**Total Power**

≤ 4 Watts at +25°C

**Supply Voltage**

+15 VDC ±5%

**ADJUSTMENT****Mechanical Tuning**±4 x 10<sup>-6</sup>**Electrical Tuning**±5 x 10<sup>-7</sup>, ±5 VDC

Negative slope

**CRYSTAL****Type**

125 MHz SC-Cut (low-g)

**Acceleration Sensitivity**≤ 5 x 10<sup>-10</sup> /g per axis, typical**ENVIRONMENTAL****Operating Temperature**

0° to +50°C

**Storage temperature**

-40° to +85°C

**OTHER****Label**

Use conventional label with the following information:

501-26237 (Current Rev.)

Golden Citrine

125 MHz

+15 VDC

Serial # - Date Code

**Test Data**

Output Level

Phase Noise, Static

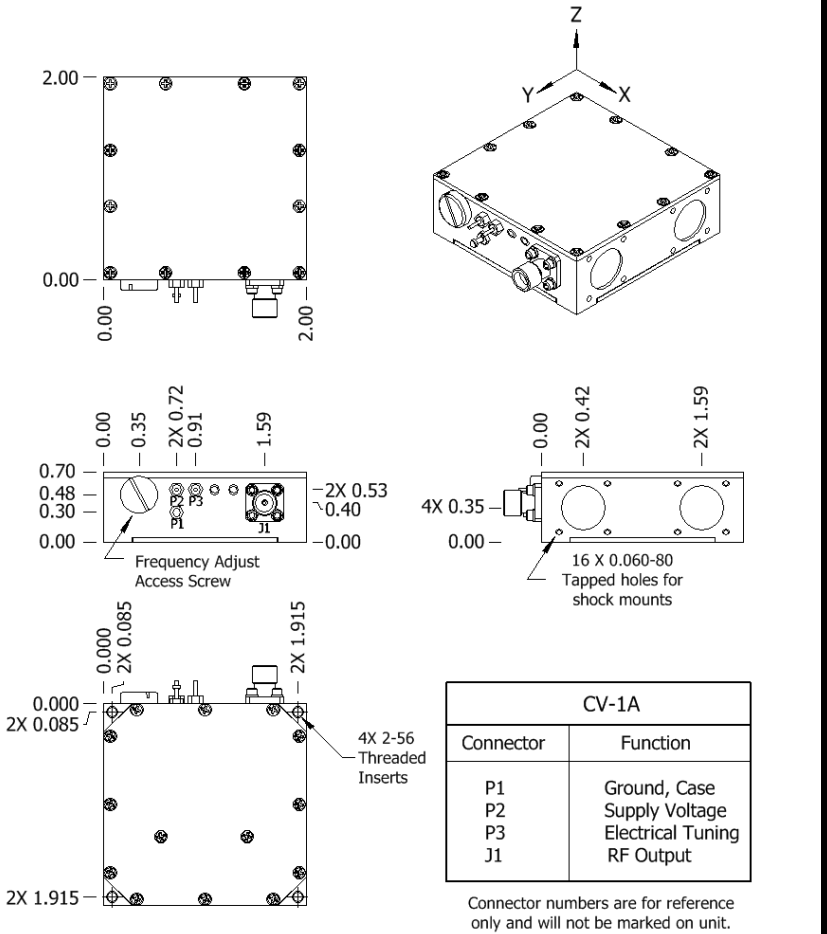
Temperature Stability

Harmonics, Spurious

Power – Warm-up and Total

Tuning – MT and ET

REV	DATE	REVISION RECORD	DWN	AUTH
-	09-04-12	Initial Release	PAC	
A	07-20-15	Phase noise, 1 kHz and 10 kHz	PAC	

**Wenzel Associates, Inc.**

Austin, Texas

Title:

**125 MHz-SC Golden Citrine Crystal Oscillator**

P/N:

**501-26237**

Rev:

**A**

Date:

**07-20-15**

Drawn:

Ref:

501-25900b

Tolerances:  
(except as noted)  
Dimensions are in inches

0.XX Dec:

±0.030"

0.XXX Dec:

±0.010"

FSCM:

62821

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