

OUTPUT**Frequency**

160 MHz

Level

+13 dBm ±2 dB into 50 ohms

STABILITY**Aging**1 x 10⁻⁶ per year

after 30 days operating, typical

Phase Noise L(f), Static

100 Hz -118 dBc/Hz

1 kHz -148 dBc/Hz

10 kHz -168 dBc/Hz

100 kHz -170 dBc/Hz

Temperature Stability±5 x 10⁻⁷, 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**

≤ 6 Watts for 5 minutes

Total Power

≤ 3 Watts at +25°C

Supply Voltage

+15 VDC ±5%

ADJUSTMENT**Mechanical Tuning**±4 x 10⁻⁶**Electrical Tuning**±2 x 10⁻⁷, ±5 VDC

Negative slope

CRYSTAL**Type**

160 MHz SC-Cut (low-g)

Acceleration Sensitivity≤ 5 x 10⁻¹⁰/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:

501-26864 (Current Rev.)

160 MHz Citrine

+15 VDC

Serial # - Date Code

Test Data

Output Level

Phase Noise, Static

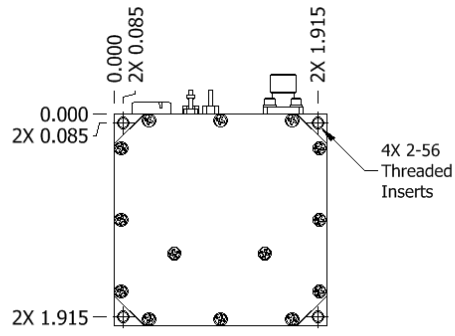
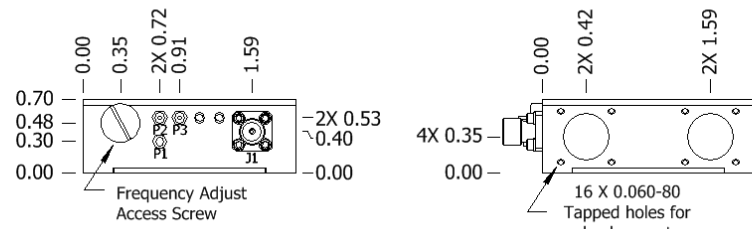
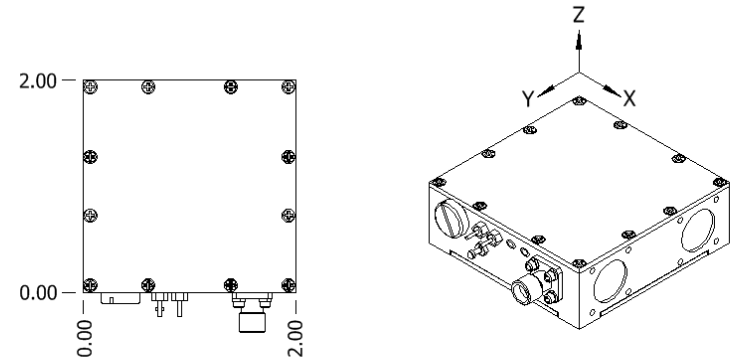
Temperature Stability

Harmonics, Spurious

Power – Warm-up and Total

Tuning – MT and ET

REV	DATE	REVISION RECORD	DWN	AUTH
-	05-29-13	Initial Release	PAC	



CV-1A	
Connector	Function
P1	Ground, Case
P2	Supply Voltage
P3	Electrical Tuning
J1	RF Output

Connector numbers are for reference only and will not be marked on unit.



Wenzel Associates, Inc.
Austin, Texas

Title: Standard 160 MHz-SC Citrine Crystal Oscillator				
P/N: 501-26864	Rev: -	Date: 05-29-13	Drawn:	Ref: SPR
Tolerances: (except as noted) Dimensions are in inches	0.XX Dec: ±0.030"	0.XXX Dec: ±0.010"	FSCM: 62821	Page 1 of 1