

OUTPUT**Frequency**

50 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 -135 dBc/Hz

1 kHz -155 dBc/Hz

10 kHz -169 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**

50 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:

501-26249 (Current Rev.)

50 MHz Citrine

+15 VDC

Serial # - Date Code

Test Data

Output Level

Phase Noise, Static

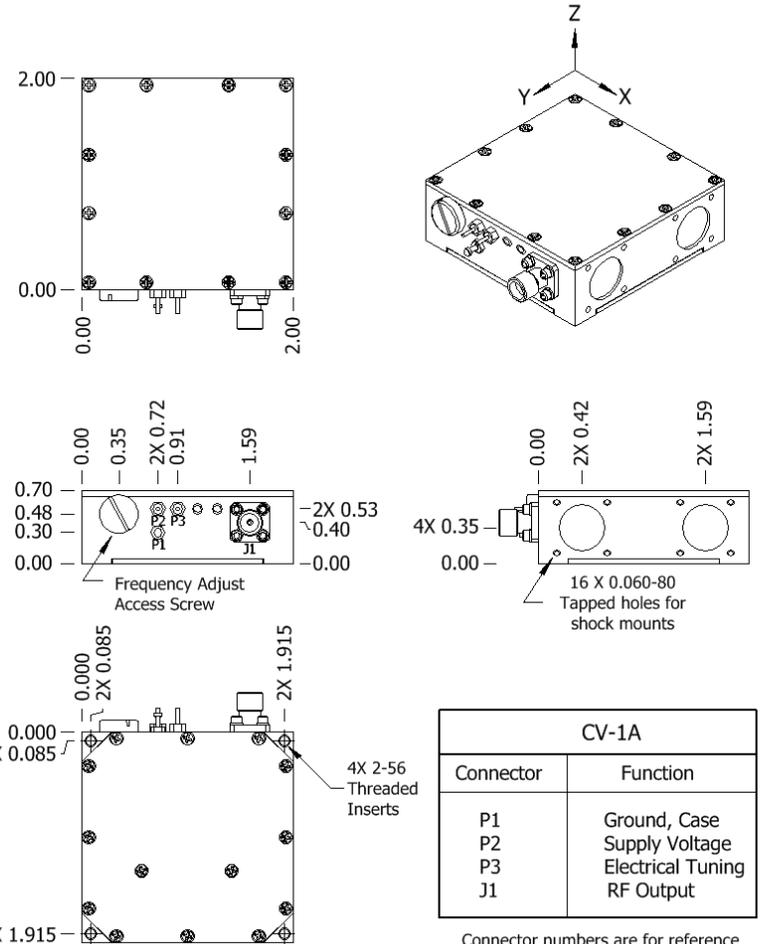
Temperature Stability

Harmonics, Spurious

Power – Warm-up and Total

Tuning – MT and ET

EV	DATE	REVISION RECORD	DWN	AUTH
-	09-06-12	Initial Release	PAC	



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

**Wenzel Associates, Inc.**

Austin, Texas

Title:

Standard 50 MHz-SC Citrine Crystal Oscillator

P/N:

501-26249

Rev:

-

Date:

09-06-12

Drawn:

Ref:

SPR

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

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