

OUTPUT**Frequency**

320 MHz

Level+13 dBm ± 2 dB into 50 ohms**STABILITY****Aging**

1 x 10⁻⁶ first year
 after 30 days operating, typical
 5 x 10⁻⁷ second year, typical
 3 x 10⁻⁷ per year thereafter, typical

Phase Noise L(f), Static

100 Hz -118 dBc/Hz
 1 kHz -143 dBc/Hz
 10 kHz -160 dBc/Hz
 100 kHz -161 dBc/Hz

Temperature Stability
 $\pm 5 \times 10^{-7}$, 0° to +50°C (Ref +25°C)
Harmonics
 ≤ -25 dBc
Sub-Harmonics
 ≤ -50 dBc
Non-Harmonic Spurious
 ≤ -80 dBc, excluding power supply line related spurs
MECHANICAL**Dimensions**

2" x 2" x 1.3"

Connectors

SMA(f) and solder pins on one side

Packaging

Nickel-plated machined aluminum housing (CVP-1A)

Mounting
 Threaded inserts, # 2-56, 4 places
 Tapped holes on sides, 16 places (provisions for shock mounts)
POWER REQUIREMENTS**Warm-Up Power**
 ≤ 8.5 Watts for 5 minutes at +25°C
Total Power
 ≤ 6 Watts at +25°C
Supply Voltage+15 VDC $\pm 5\%$ **ADJUSTMENT****Mechanical Tuning**
 $\pm 4 \times 10^{-6}$
Electrical Tuning
 $\pm 2 \times 10^{-7}$ min, ± 5 VDC

Negative slope

CRYSTAL**Type**

80 MHz SC-cut w/ x4 stage

Acceleration Sensitivity
 $\leq 5 \times 10^{-10}$ /g per axis, typical
ENVIRONMENTAL**Operating Temperature**

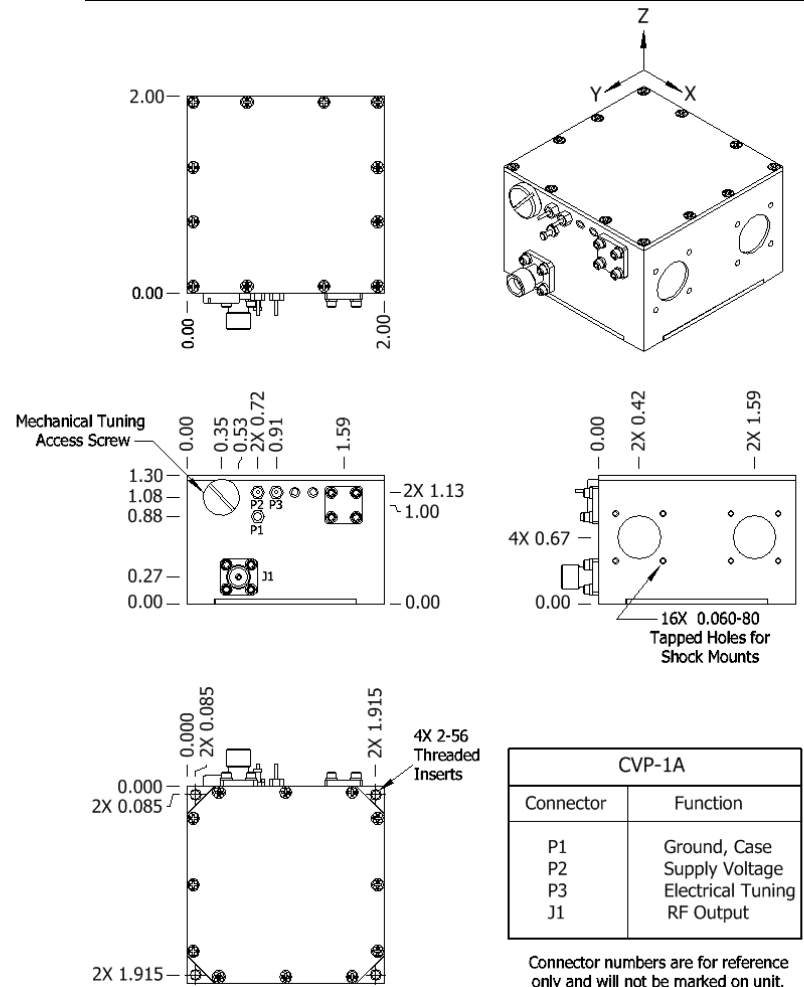
0° to +50°C

Storage Temperature

-40° to +85°C

OTHER**Label**
 Use conventional label with the following information:
 501-26637 (Current Rev.)
 320 MHz Citrine Plus
 +15 VDC
 Serial # - Date Code
Test Data
 Output Level
 Phase Noise – Static
 Temperature Stability
 Harmonics, Subs, Spurious
 Power - Warm-up and Total
 Tuning – MT and ET

REV	DATE	REVISION RECORD	DWN	AUTH
-	02-25-13	Initial Release	PAC	

**Wenzel Associates, Inc.**

Austin, Texas

Title:

Premium 320 MHz Citrine Plus Crystal Oscillator

P/N:

501-26637

Rev:

-

Date:

02-25-13

Drawn:

Ref:

ULN

 Tolerances:
 (except as noted)
 Dimensions are in inches

0.XX Dec:

 ± 0.030 "

0.XXX Dec:

 ± 0.010 "

FSCM:

62821

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