

**OUTPUT****Frequency**

200 MHz

**Level**

+13 dBm ±2 dB into 50 ohms

**STABILITY****Aging**

1 x 10<sup>-6</sup> first year  
 after 30 days operating, typical  
 5 x 10<sup>-7</sup> second year, typical  
 3 x 10<sup>-7</sup> per year thereafter, typical

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

100 Hz -123 dBc/Hz  
 1 kHz -151 dBc/Hz  
 10 kHz -167 dBc/Hz  
 100 kHz -168 dBc/Hz

**Temperature Stability**±5 x 10<sup>-7</sup>, 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**

≤ 7 Watts for 5 minutes at +25°C

**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> min, ±5 VDC

Negative slope

**CRYSTAL****Type**

100 MHz SC-cut w/ x2 stage

**Acceleration Sensitivity**≤ 3 x 10<sup>-10</sup> /g per axis, typical**ENVIRONMENTAL****Operating Temperature**

0° to +50°C

**Storage Temperature**

-40° to +85°C

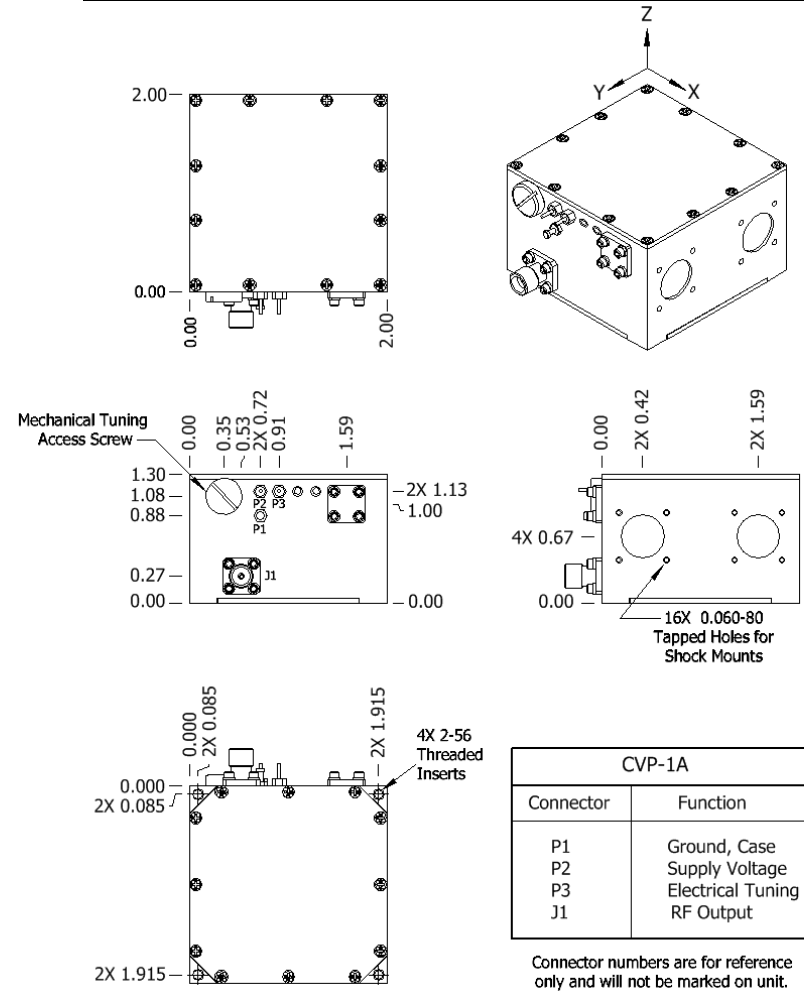
**OTHER****Label**

Use conventional label with the following information:  
 501-26792 (Current Rev.)  
 200 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
-	05-01-13	Initial Release	PAC	

**Wenzel Associates, Inc.**

Austin, Texas

Title:

**Premium 200 MHz Citrine Plus Crystal Oscillator**

P/N:

**501-26792**

Rev:

-

Date:

**05-01-13**

Drawn:

Ref:

ULN

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

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