

## OUTPUT

### Frequency

200 MHz

### Level

+13 dBm  $\pm 2$  dB into 50 ohms

## STABILITY

### Aging

$1 \times 10^{-6}$  first year  
after 30 days operating, typical  
 $5 \times 10^{-7}$  second year, typical  
 $3 \times 10^{-7}$  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

$\pm 5 \times 10^{-7}$ , 0° to +50°C (Ref +25°C)

## Harmonics

$\leq -25$  dBc

## Sub-Harmonics

$\leq -50$  dBc

## Non-Harmonic Spurious

$\leq -80$  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

$\leq 7$  Watts for 5 minutes at +25°C

### Total Power

$\leq 4$  Watts at +25°C

## Supply Voltage

+15 VDC  $\pm 5\%$

## ADJUSTMENT

### Mechanical Tuning

$\pm 4 \times 10^{-6}$

### Electrical Tuning

$\pm 5 \times 10^{-7}$  min,  $\pm 5$  VDC

Negative slope

## CRYSTAL

### Type

100 MHz SC-cut w/ x2 stage

### Acceleration Sensitivity

$\leq 3 \times 10^{-10}$  /g per axis, typical

## ENVIRONMENTAL

### Operating Temperature

0° to +50°C

### Storage Temperature

-40° to +85°C

## OTHER

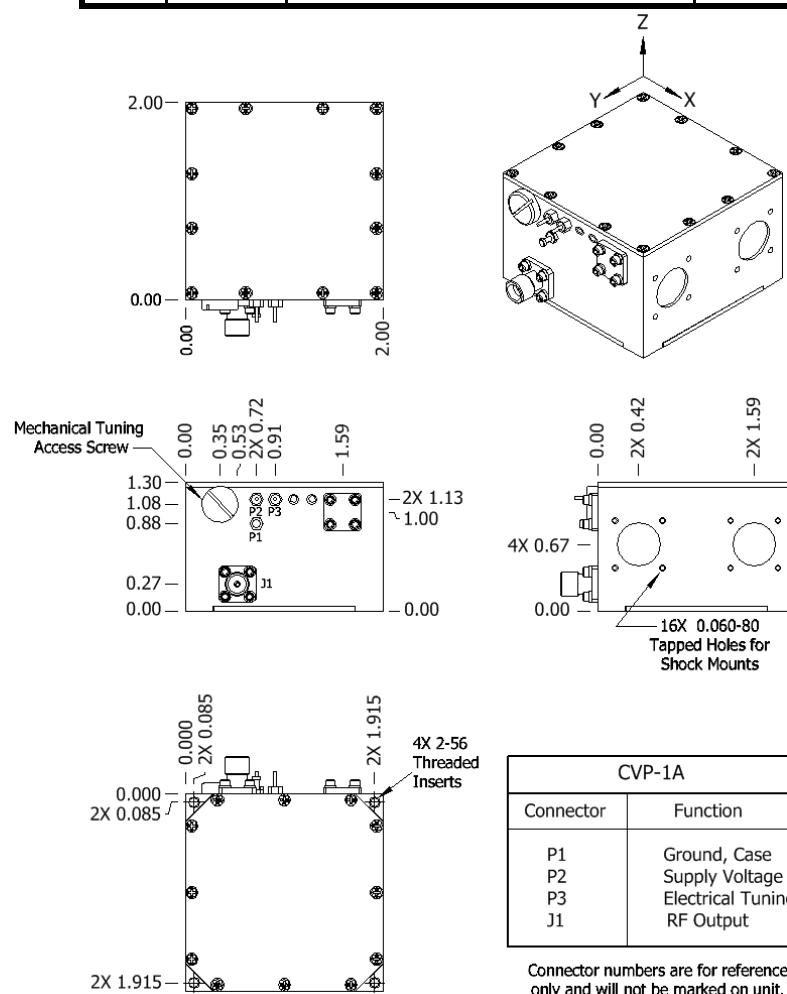
### Label

Use conventional label with the  
following information:  
501-26792 (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 inches

0.XX Dec:  
 **$\pm 0.030$ "**

0.XXX Dec:  
 **$\pm 0.010$ "**

FSCM:  
**62821**

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