

**OUTPUT**

**Frequency**

25 MHz

**Level**

+13 dBm ±2 dB into 50 ohms

**STABILITY**

**Aging**

5 x 10<sup>-10</sup> per day  
after 30 days operating, typical

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

10 Hz -120 dBc/Hz  
100 Hz -145 dBc/Hz  
1 kHz -150 dBc/Hz  
10 kHz -150 dBc/Hz  
100 kHz -150 dBc/Hz

**Temperature Stability**

±5 x 10<sup>-8</sup>, 0° to +50°C (Ref +25°C)

**Harmonics**

≤ -30 dBc

**Sub-Harmonics**

≤ -50 dBc

**Non-Harmonic Spurious**

≤ -80 dBc, excluding power  
supply line related spurs

**MECHANICAL**

**Dimensions**

2.25" x 2.25" x 1.3"

**Connectors**

SMA(f) and solder pins on one side

**Packaging**

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

**Mounting**

Threaded inserts, # 2-56, 4 places  
Tapped holes on sides, 16 places  
(provisions for shock mounts)

**POWER REQUIREMENTS**

**Warm-Up Power**

≤ 9 Watts for 5 minutes at +25°C

**Total Power**

≤ 6 Watts at +25°C

**Supply Voltage**

+15 VDC ±5%

**ADJUSTMENT**

**Mechanical Tuning**

±1 x 10<sup>-6</sup>

**Electrical Tuning**

±2 x 10<sup>-7</sup> min, ±5 VDC  
Negative slope

**CRYSTAL**

**Type**

5 MHz SC-cut (x5)

**ENVIRONMENTAL**

**Operating Temperature**

0° to +50°C

**Storage Temperature**

-40° to +85°C

**OTHER**

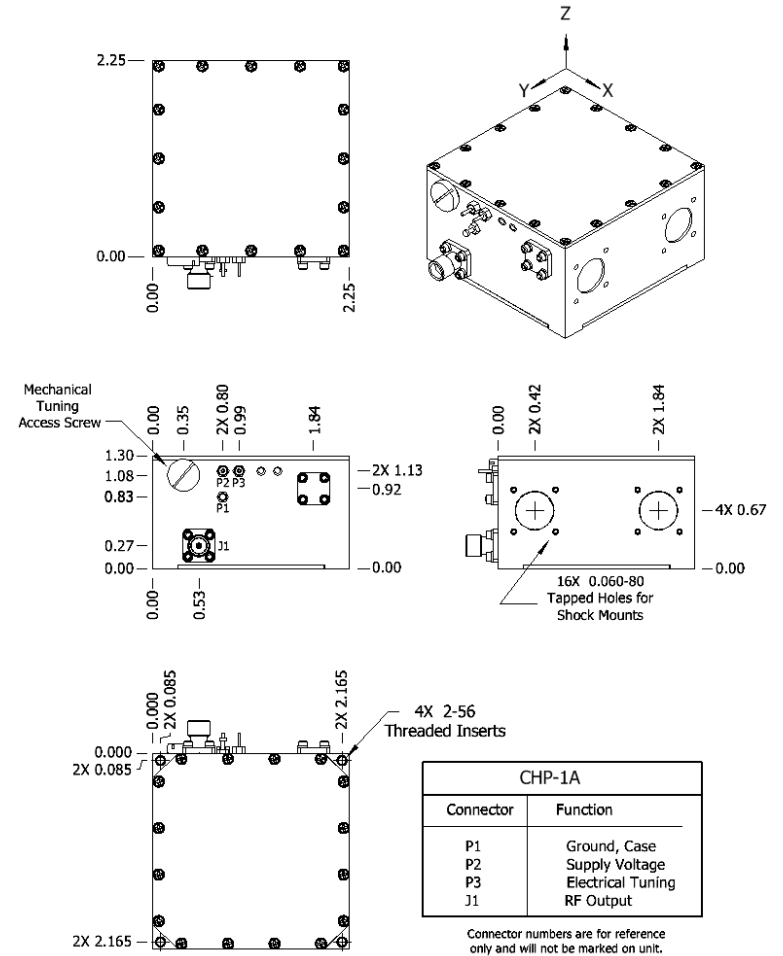
**Label**

Use conventional label with the  
following information:  
501-26077 (Current Rev.)  
25 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
-	07-03-12	Initial Release	PAC	



Wenzel Associates, Inc.				
Austin, Texas				
Title:				
Standard 25 MHz Citrine Plus Crystal Oscillator				
P/N:	Rev:	Date:	Drawn:	Ref:
501-26077	-	07-03-12		STR
Tolerances: (except as noted) Dimensions are in inches	0.XX Dec: ±0.030"	0.XXX Dec: ±0.010"	FSCM: 62821	Page 1 of 1