

OUTPUT**Frequency**

10 MHz, dual output

Level+13 dBm ±2 dB into 50 ohms,
each output**STABILITY****Aging**5 x 10⁻¹⁰ per day
after 30 days operating, typical**Phase Noise L(f), Static**10 Hz -130 dBc/Hz
100 Hz -155 dBc/Hz
1 kHz -165 dBc/Hz
10 kHz -165 dBc/Hz**Temperature Stability**±5 x 10⁻⁹, 0° to +50°C (Ref +25°C)**Harmonics**

≤ -30 dBc

Spurious≤ -90 dBc, excluding power
supply line related spurs**MECHANICAL****Dimensions**

2.25 x 2.25 x 0.8"

Connectors

SMA(f) and solder pins on side

PackagingNickel-plated machined
aluminum case (CH-2A)**POWER REQUIREMENTS****Warm-Up Power**

≤ 7 Watts for 5 minutes

Total Power

≤ 4 Watts at +25°C

Supply Voltage

+12 VDC ±5%

ADJUSTMENT**Mechanical Tuning**±1 x 10⁻⁶**Electrical Tuning**±2 x 10⁻⁷, ±5 VDC
Negative slope**CRYSTAL****Type**

10 MHz SC-cut (Special Low-G)

SPECIAL**Acceleration Sensitivity**≤ 5 x 10⁻¹⁰ /g per axis, typical**OTHER****Label**Use conventional label with the
following information:

501-24219 (Current Rev.)

10 MHz Citrine

+12 VDC

Serial # - Date Code

Test Data

Output Level

Phase Noise, Static

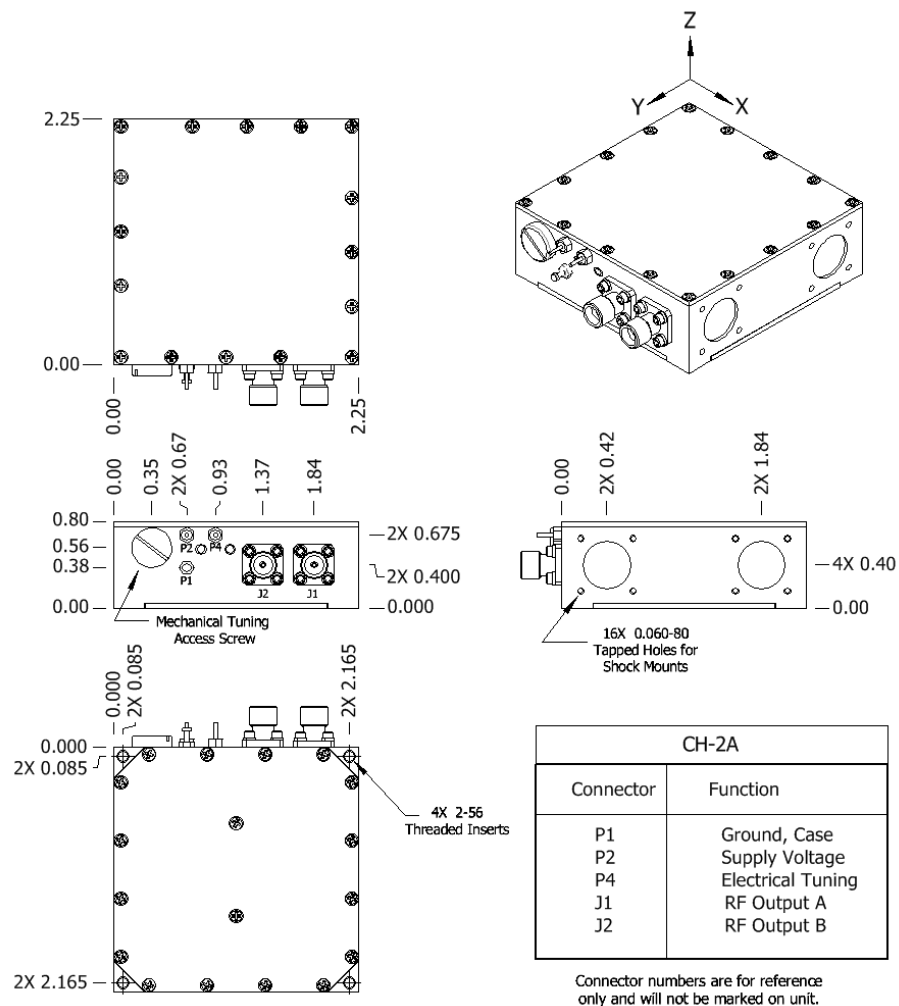
Temperature Stability

Harmonics, Spurious

Power – Warm-up and Total

Tuning – MT and ET

REV	DATE	REVISION RECORD	DWN	AUTH
-	07-08-11	Initial Release	PAC	
A	09-19-18	Warm-Up and Total Power	BH	AR

**Wenzel Associates, Inc.**

Austin, Texas

Title:

10 MHz-SC Citrine Dual Output Crystal Oscillator

P/N:

501-24219

Rev:

A

Date:

09-19-18

Drawn:

Ref:

STR

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

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