OUTPUT

Frequency

10 MHz, dual output

Level

+13 dBm ±2 dB into 50 ohms, each output

STABILITY

Aging

5×10^{-10} per day after 30 days operating, typical

Phase Noise L(f), Static

10 Hz	-140 dBc/Hz
100 Hz	-160 dBc/Hz
1 kHz	-172 dBc/Hz
10 kHz	-174 dBc/Hz

Temperature Stability

$\pm 2 \times 10^{-8}$, 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

Packaging

Nickel-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

+15 VDC ±5%

ADJUSTMENT

Mechanical Tuning

$\pm 2 \times 10^{-7}$

Electrical Tuning

$\pm 1 \times 10^{-6}$, 0 to +10 VDC

Negative slope

CRYSTAL

Type

10 MHz SC-cut (Special Low-G)

SPECIAL

Acceleration Sensitivity

≤ 5×10^{-10} /g per axis, typical

OTHER

Label

Use conventional label with the following information:

501-29471 (Current Rev.)

10 MHz Citrine

+15 VDC

Serial # - Date Code

Test Data

Output Level

Phase Noise, Static

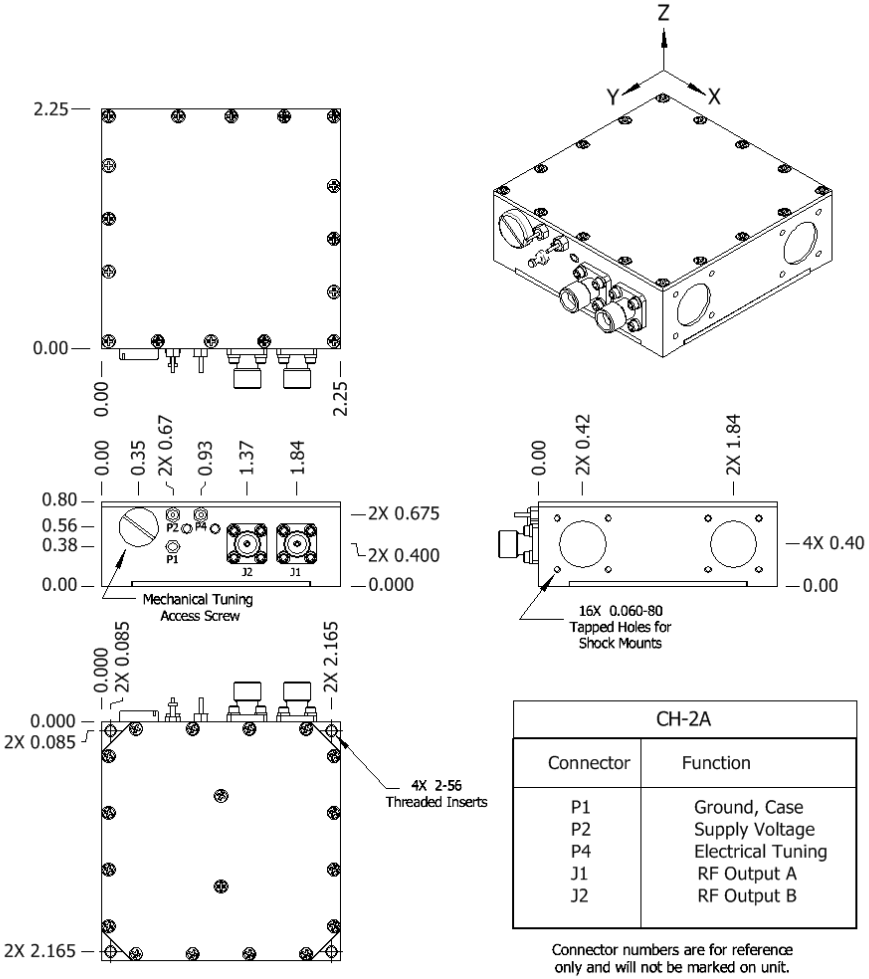
Temperature Stability

Harmonics, Spurious

Power – Warm-up and Total

Tuning – MT and ET

REV	DATE	REVISION RECORD	DWN	AUTH
-	10-14-15	Initial Release	PAC	



CH-2A	
Connector	Function
P1	Ground, Case
P2	Supply Voltage
P4	Electrical Tuning
J1	RF Output A
J2	RF Output B

Connector numbers are for reference only and will not be marked on unit.

Wenzel Associates, Inc.

Austin, Texas

Title:

Premium 10 MHz-SC Citrine Dual O/P Crystal Oscillator

P/N:	Rev:	Date:	Drawn:	Ref:
501-29471	**-**	**10-14-15**		ULN 501-24217a

Tolerances: (except as noted) Dimensions are in inches	0.XX Dec:	0.XXX Dec:	FSCM:	Page 1 of 1
	±0.030”	±0.010”	62821	