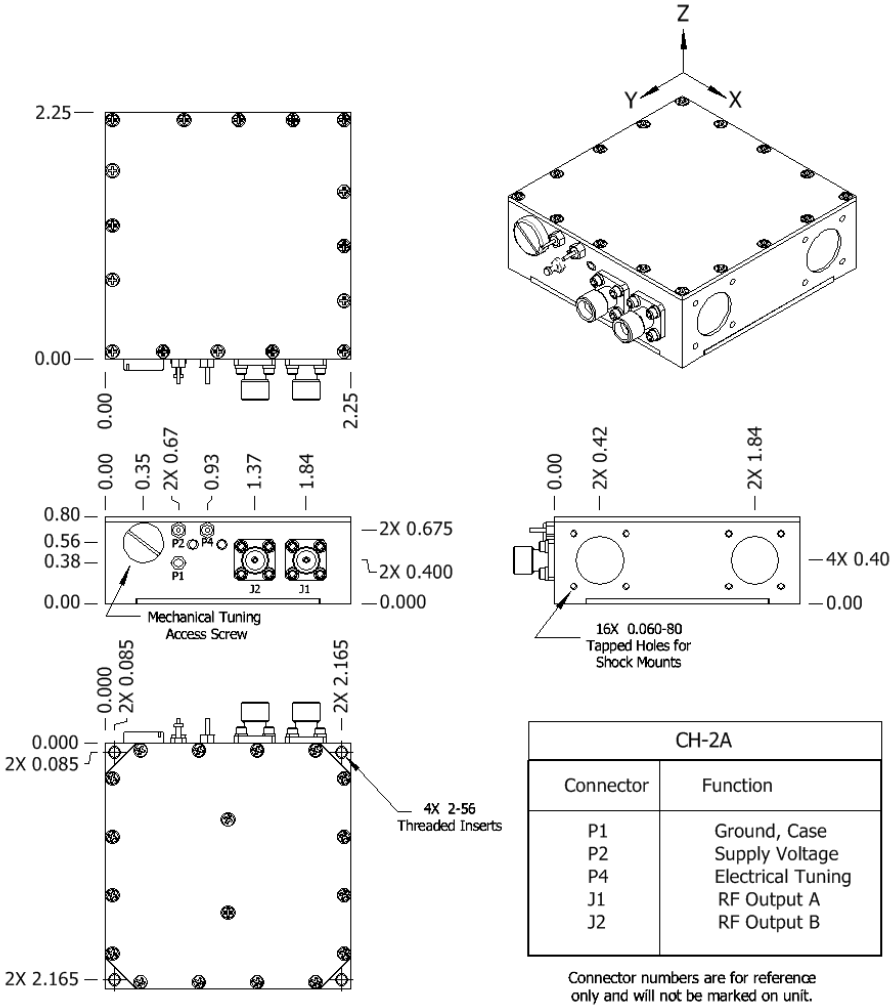
OUTPUT
Frequency
10 MHz, dual output
Level
+13 dBm ±2 dB into 50 ohms, each output
STABILITY
Aging
5×10^{-10} per day
after 30 days operating, typical
Phase Noise L(f), Static

10 Hz	-130 dBc/Hz
100 Hz	-155 dBc/Hz
1 kHz	-165 dBc/Hz
10 kHz	-165 dBc/Hz

Temperature Stability
$\pm 5 \times 10^{-9}$, 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
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
$\pm 1 \times 10^{-6}$
Electrical Tuning
$\pm 2 \times 10^{-7}$, ±5 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:
501-24215 (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
-	07-08-11	Initial Release	PAC	
A	05-22-12	Warm-Up and TP	BH	
B	07-21-14	Warm-up and Total Power	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:
10 MHz-SC Citrine Dual Output Crystal Oscillator

P/N:	Rev:	Date:	Drawn:	Ref:
501-24215	**B**	**07-21-14**		STR

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