OUTPUT

Frequency

25 MHz

Level

+13 dBm ±2 dB into 50 ohms

STABILITY

Aging

1×10^{-9} per day
after 30 days operating, typical

Phase Noise L(f), Static

10 Hz	-115 dBc/Hz
100 Hz	-135 dBc/Hz
1 kHz	-150 dBc/Hz
10 kHz	-165 dBc/Hz

Temperature Stability

$\pm 5 \times 10^{-8}$, 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

POWER REQUIREMENTS

Warm-Up Power

≤ 5 Watts for 5 minutes

Total Power

≤ 2.5 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

25 MHz SC-cut (Special Low-G)

SPECIAL

Acceleration Sensitivity

≤ 5×10^{-10} /g per axis, typical

OTHER

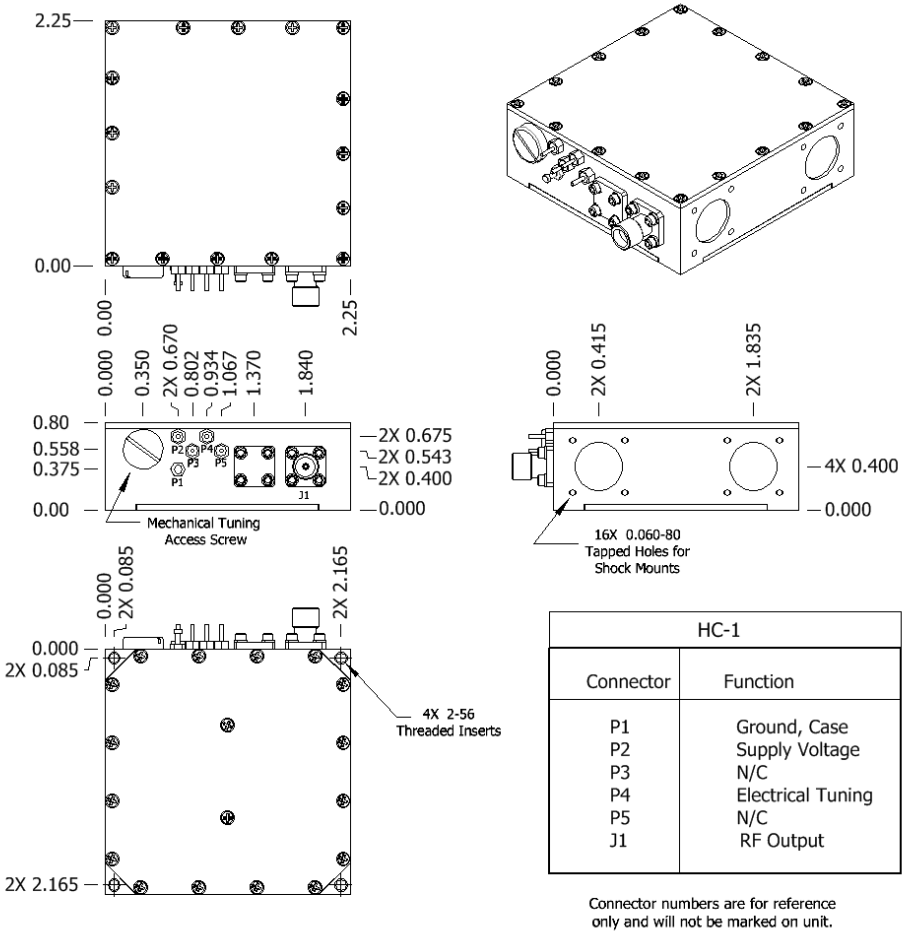
Label

Use conventional label with the following information:
501-24223 (Current Rev.)
25 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	



HC-1	
Connector	Function
P1	Ground, Case
P2	Supply Voltage
P3	N/C
P4	Electrical Tuning
P5	N/C
J1	RF Output

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

Wenzel Associates, Inc.
Austin, Texas

Title:
25 MHz-SC Citrine Crystal Oscillator

P/N:	Rev:	Date:	Drawn:	Ref:
501-24223	**-**	**07-08-11**		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	