

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 -118 dBc/Hz

100 Hz -145 dBc/Hz

1 kHz -165 dBc/Hz

10 kHz -172 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

≤ 6 Watts for 5 minutes

Total Power

≤ 3 Watts at +25°C

Supply Voltage

+15 VDC $\pm 5\%$

ADJUSTMENT

Mechanical Tuning

$\pm 1 \times 10^{-6}$

Electrical Tuning

$\pm 2 \times 10^{-7}$, ± 5 VDC

Negative slope

CRYSTAL

Type

25 MHz (Special Low-G)

SPECIAL

Acceleration Sensitivity

$\leq 5 \times 10^{-10}$ /g per axis, typical

OTHER

Label

Use conventional label with the
following information:

501-24224 (Current Rev.)

25 MHz Citrine ULN

+15 VDC

Serial # - Date Code

Test Data

Output Level

Phase Noise, Static

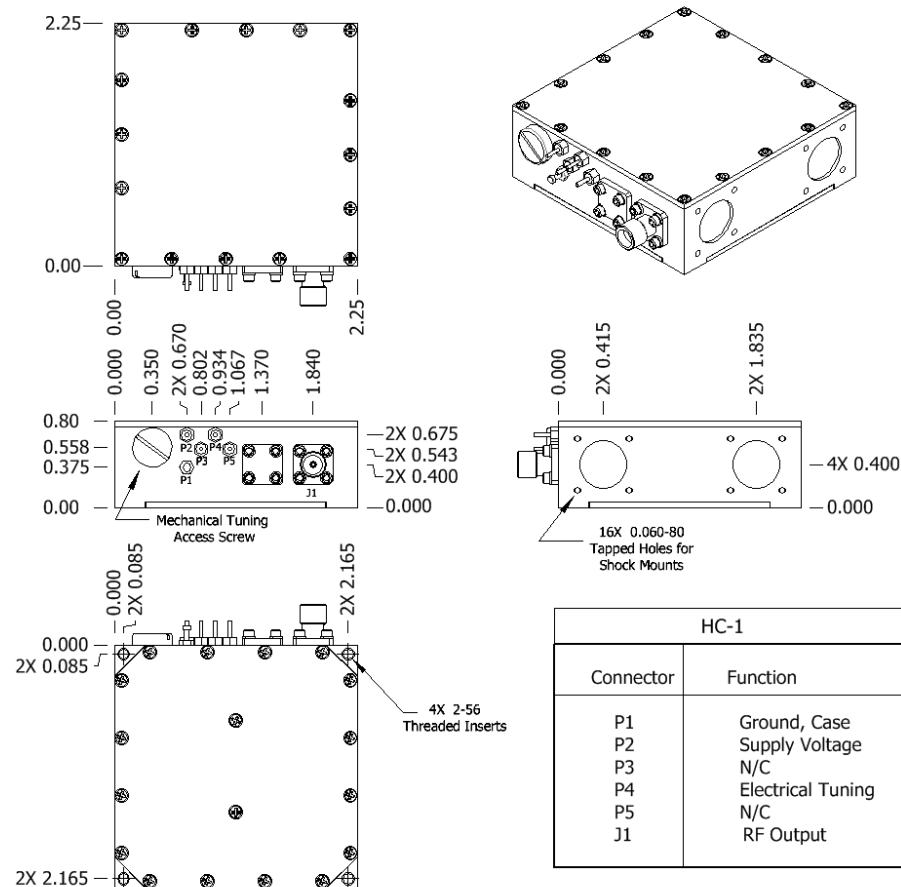
Temperature Stability

Harmonics, Spurious

Power – Warm-up and Total

Tuning – MT and ET

REV	DATE	REVISION RECORD	DWN	AUTH
-	07-08-11	Initial Release	PAC	



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

Wenzel Associates, Inc.

Austin, Texas

Title:

25 MHz-SC Citrine ULN Crystal Oscillator

P/N:

501-24224

Rev:

-

Date:

07-08-11

Drawn:

Ref:

ULN

Tolerances:
(except as noted)
Dimensions are in inches

0.XX Dec:
 ± 0.030 "

0.XXX Dec:
 ± 0.010 "

FSCM:
62821

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