

OUTPUT

Frequency

10 MHz

Level

+13 dBm ± 2 dB into 50 ohms

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

$\pm 5 \times 10^{-8}$, 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-1)

POWER REQUIREMENTS

Warm-Up Power

≤ 7.5 Watts for 5 minutes

Total Power

≤ 5 Watts at +25°C

Supply Voltage

+12 VDC $\pm 5\%$

ADJUSTMENT

Mechanical Tuning

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

Electrical Tuning

$\pm 2 \times 10^{-7}$ min., ± 5 VDC

Negative slope

CRYSTAL

Type

10 MHz SC-cut (Special Low-G)

Acceleration Sensitivity

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

ENVIRONMENTAL

Operating Temperature

0° to +50°C

Storage Temperature

-40° to +85°C

OTHER

Label

Use conventional label with the
following information:

501-24056 (Current Rev.)

10 MHz Citrine

+12 VDC

Serial # - Date Code

Test Data

Output Level

Phase Noise, Static

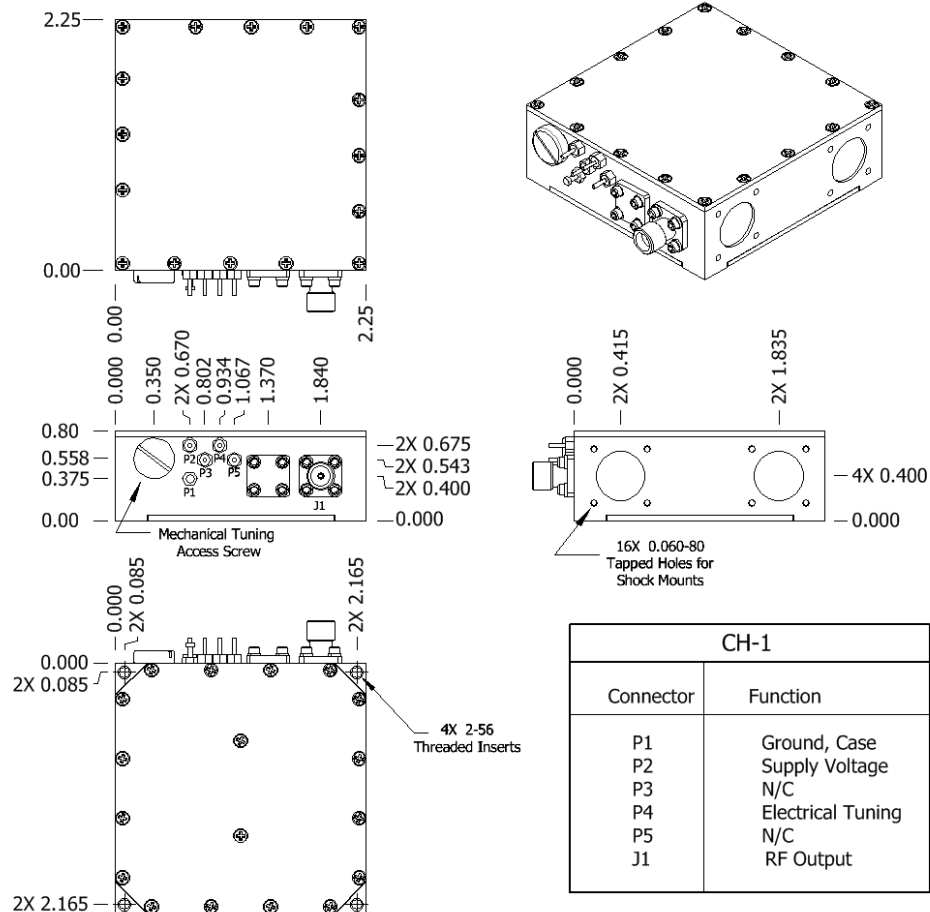
Temperature Stability

Harmonics, Spurious

Power – Warm-up and Total

Tuning – MT and ET

| REV | DATE | REVISION RECORD | DWN | AUTH |
|-----|----------|------------------------------|-----|------|
| - | 05-26-11 | Initial Release | PAC | |
| A | 04-18-17 | Increased Power Requirements | CB | |
| | | | | |
| | | | | |
| | | | | |



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



Wenzel Associates, Inc.

Austin, Texas

Title:

Standard 10 MHz-SC Citrine Crystal Oscillator

P/N:

501-24056

Rev:

A

Date:

04-18-17

Drawn:

Ref:

STR

Tolerances:
(except as noted)
Dimensions are in inches

0.XX Dec:

± 0.030 "

0.XXX Dec:

± 0.010 "

FSCM:

62821

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