

OUTPUT**Frequency**

10 MHz

Level

+13 dBm ±2 dB into 50 ohms

STABILITY**Aging**5 x 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±5 x 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

PackagingNickel-plated machined
aluminum case (CH-1A)**POWER REQUIREMENTS****Warm-Up Power**

≤ 6 Watts for 5 minutes

Total Power

≤ 3 Watts at +25°C

Supply Voltage

+15 VDC ±5%

ADJUSTMENT**Mechanical Tuning**±1 x 10⁻⁶**Electrical Tuning**±2 x 10⁻⁷ min., ±5 VDC

Negative slope

CRYSTAL**Type**

10 MHz SC-cut (Special Low-G)

Acceleration Sensitivity≤ 5 x 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:

501-24055 (Current Rev.)

10 MHz Citrine

+15 VDC

Serial # - Date Code

Test Data

Output Level

Phase Noise, Static

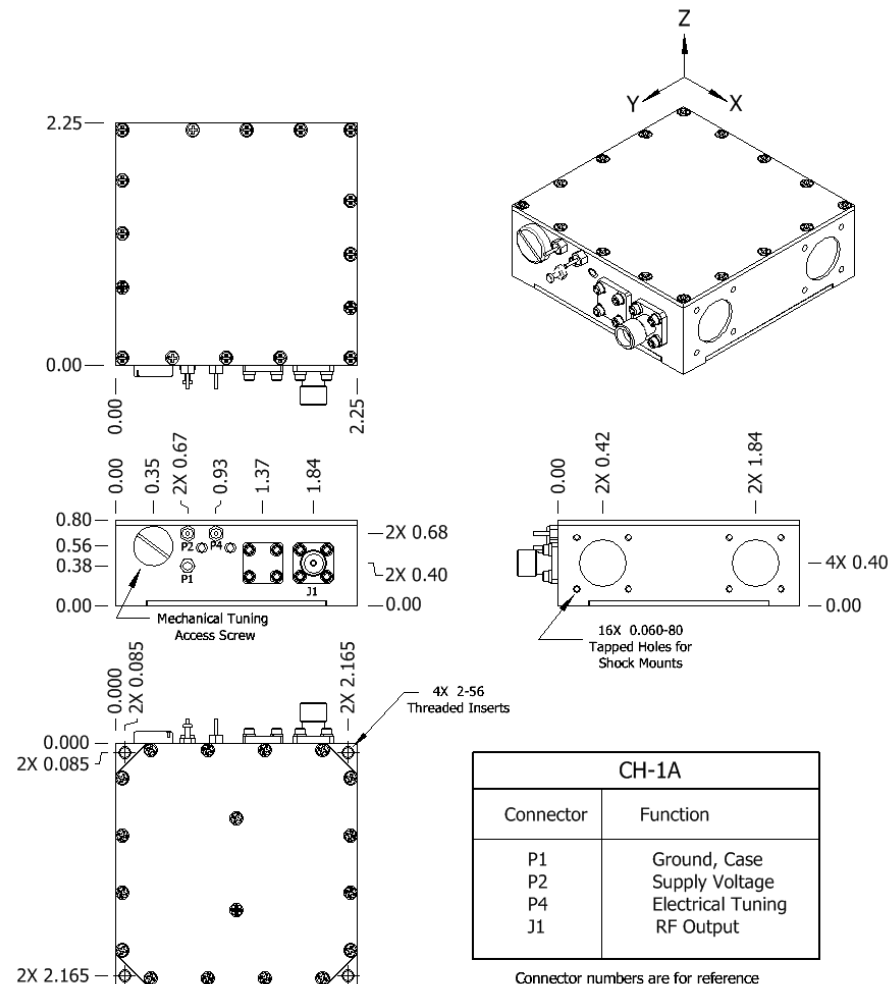
Temperature Stability

Harmonics, Spurious

Power – Warm-up and Total

Tuning – MT and ET

REV	DATE	REVISION RECORD	DWN	AUTH
-	05-26-11	Initial Release	PAC	

**Wenzel Associates, Inc.**

Austin, Texas

Title:

Standard 10 MHz-SC Citrine Crystal Oscillator

P/N:

501-24055

Rev:

-

Date:

05-26-11

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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