

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 -135 dBc/Hz
100 Hz -160 dBc/Hz
1 kHz -172 dBc/Hz
10 kHz -174 dBc/Hz

Temperature Stability±2 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

Packaging

Nickel-plated machined
aluminum case (CH-1)

POWER REQUIREMENTS**Warm-Up Power**

≤ 6 Watts for 5 minutes

Total Power

≤ 3 Watts at +25°C

Supply Voltage

+12 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:

501-23749 (Current Rev.)

10 MHz Citrine ULN

+12 VDC

Serial # - Date Code

Test Data

Output Level

Phase Noise, Static

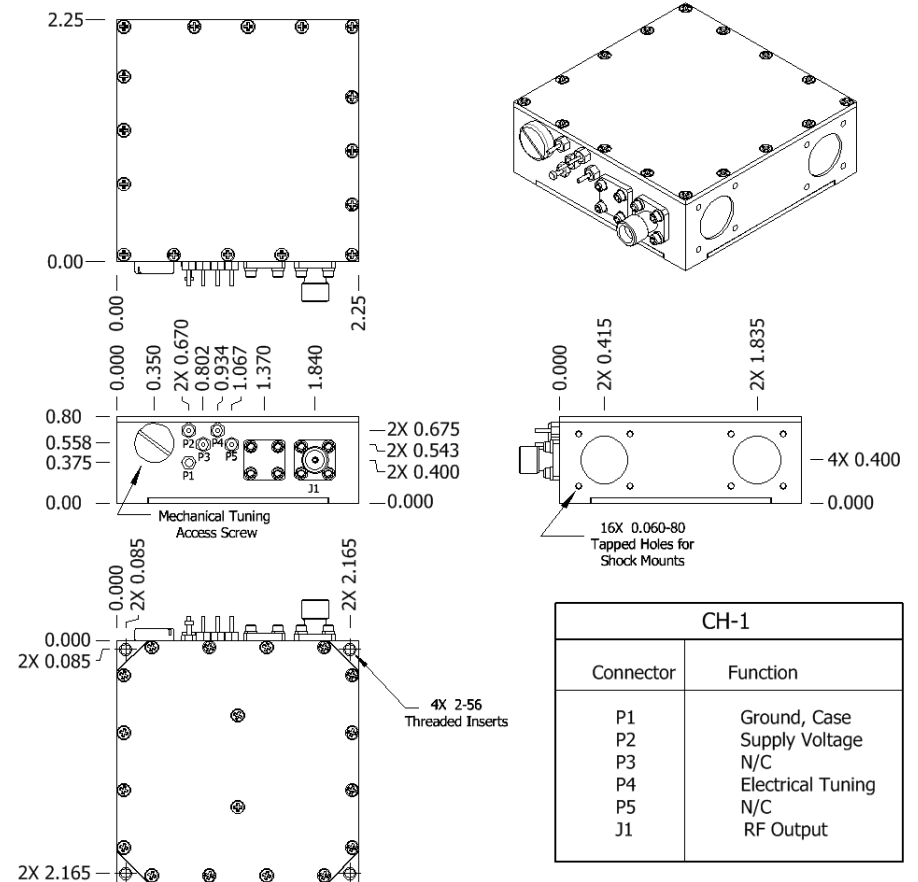
Temperature Stability

Harmonics, Spurious

Power – Warm-up and Total

Tuning – MT and ET

REV	DATE	REVISION RECORD	DWN	AUTH
-	03-09-11	Initial Release	PAC	
A	04-20-11	Output Level; Power	PAC	
B	06-01-11	Updated Drawing	PAC	



CH-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:

Premium 10 MHz-SC Citrine Crystal Oscillator

P/N:

501-23749

Rev:

B

Date:

06-01-11

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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