

OUTPUT

Frequency

10 MHz

Level

+7 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 -175 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

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

±1 x 10⁻⁶

Electrical Tuning

±2 x 10⁻⁷, ±5 VDC

Negative slope

CRYSTAL

Type

10 MHz (Special Low-G)

SPECIAL

Acceleration Sensitivity

≤ 5 x 10⁻¹⁰ /g per axis, typical

OTHER

Label

Use conventional label with the following information:

501-23750 (Current Rev.)

10 MHz Citrine ULN

+15 VDC

Serial # - Date Code

Test Data

Output Level

Phase Noise, Static

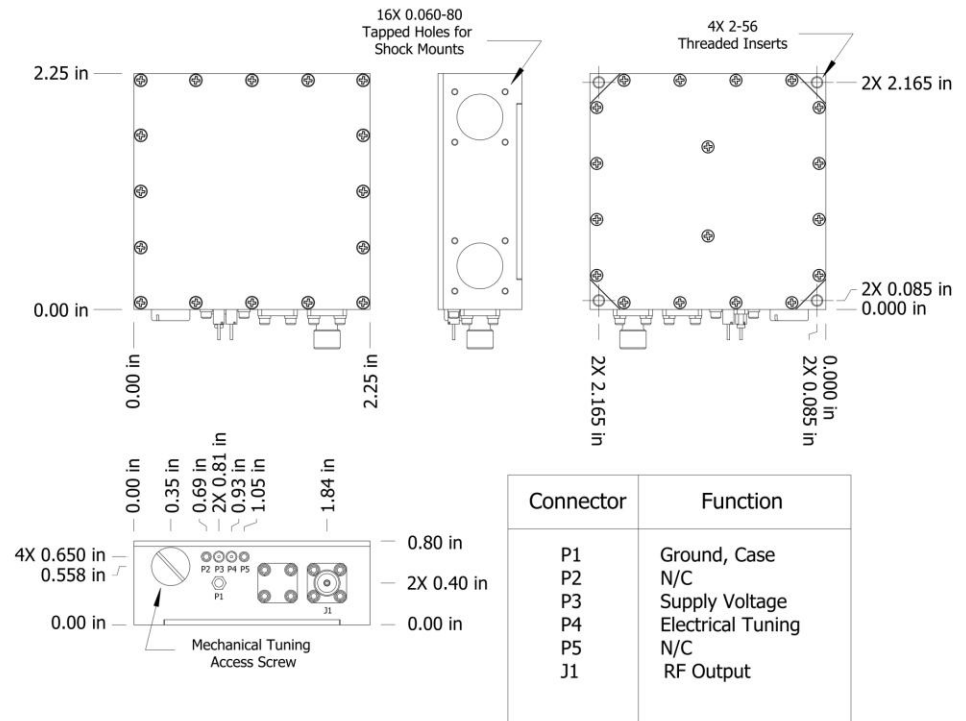
Temperature Stability

Harmonics, Spurious

Power – Warm-up and Total

Tuning – MT and ET

REV	DATE	REVISION RECORD	DWN	AUTH
-	03-09-11	Initial Release	PAC	



Connector numbers are for reference only and will not appear on the unit.

Wenzel Associates, Inc.

Austin, Texas

Title:

10 MHz-SC Citrine ULN Crystal Oscillator

P/N:

501-23750

Rev:

-

Date:

03-09-11

Drawn:

Ref:

Tolerances:
(except as noted)
Dimensions are in inches

0.XX Dec:
±0.030"

0.XXX Dec:
±0.010"

FSCM:
62821

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