

OUTPUT

Frequency

128 MHz

Level

+18 dBm ± 2 dB into 50 ohms

STABILITY

Aging

1×10^{-6} per year

after 30 days operating, typical

Phase Noise L(f), Static

100 Hz -128 dBc/Hz

1 kHz -156 dBc/Hz

10 kHz -180 dBc/Hz

100 kHz -188 dBc/Hz

Temperature Stability

$\pm 2 \times 10^{-7}$, 0° to +50°C (Ref +25°C)

Harmonics

≤ -30 dBc

Spurious

≤ -90 dBc, excluding power
supply line related spurs

MECHANICAL

Dimensions

2 x 2 x 0.7"

Connectors

SMA(f) and solder pins on side

Packaging

Nickel-plated machined
aluminum case – CV-1A

POWER REQUIREMENTS

Warm-Up Power

≤ 8 Watts for 5 minutes

Total Power

≤ 4 Watts at +25°C

Supply Voltage

+15 VDC $\pm 5\%$

ADJUSTMENT

Mechanical Tuning

$\pm 4 \times 10^{-6}$

Electrical Tuning

$\pm 2 \times 10^{-7}$, ± 5 VDC

Negative slope

CRYSTAL

Type

128 MHz SC-cut

ENVIRONMENTAL

Operating Temperature

0° to +50°C

Storage temperature

-40° to +85°C

OTHER

Label

Use conventional label with the
following information:

501-26238 (Current Rev.)

128 MHz Golden Citrine

+15 VDC

Serial # - Date Code

Test Data

Output Level

Phase Noise, Static

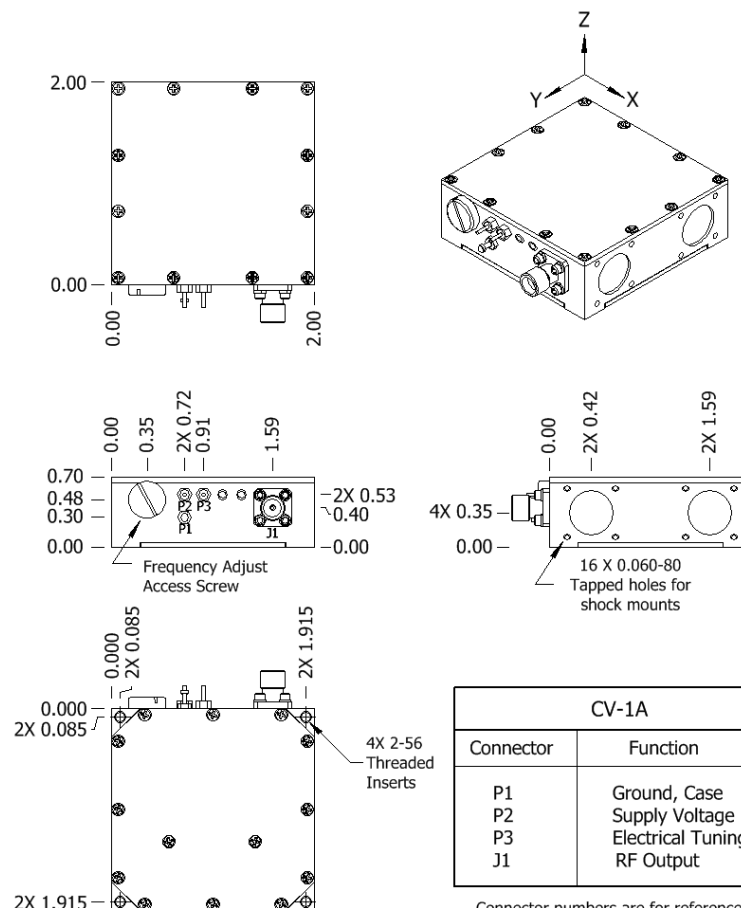
Temperature Stability

Harmonics, Spurious

Power – Warm-up and Total

Tuning – MT and ET

REV	DATE	REVISION RECORD	DWN	AUTH
-	09-04-12	Initial Release	PAC	
A	07-20-15	Phase noise, 1 kHz and 10 kHz	PAC	MG



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



Wenzel Associates, Inc.

Austin, Texas

Title:

128 MHz-SC Golden Citrine Crystal Oscillator

P/N:

501-26238

Rev:

A

Date:

07-20-15

Drawn:

Ref:

501-25900b

Tolerances:
(except as noted)
Dimensions are in inches

0.XX Dec:

± 0.030 "

0.XXX Dec:

± 0.010 "

FSCM:

62821

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