INPUT
Frequency
10 MHz, ±5 x 10 <sup>-7</sup>
Level
+7 dBm ±5 dB into 50 ohms
OUTPUT
Frequency
100 MHz
Level
+13 dBm ±2 dB into 50 ohms
STABILITY
Aging
1 x 10 <sup>-6</sup> first year
after 30 days operating, typical
5 x 10 <sup>-7</sup> second year, typical
2 × 10 <sup>-7</sup>
3 x 10 <sup>-7</sup> per year thereafter, typical
Phase Noise L(f), static, free-running
100 Hz -130 dBc/Hz 1 kHz -158 dBc/Hz
10 kHz -176 dBc/Hz
100 kHz -176 dBc/Hz
Temperature Stability
1 emperature stability
$\pm 5 \times 10^{-7}$ free-running from 0 to $\pm 5^{\circ}$ C, (Ref. $\pm 25^{\circ}$ C)
Harmonics
-30 dBc
Sub-Harmonics
-80 dBc
PLL Divider Products
-80 dBc
Non-Harmonic Spurious
-80 dBc, excluding power
supply line related spurs
Phase Lock Alarm
TTL
Locked: +3.5 VDC to +5.2 VDC (Hi)
Out-of-Lock: +0.8 VDC max (Lo)
Phase Lock Voltage Monitor
Voltage monitor pin supplied
MECHANICAL
Dimensions
2.8" x 3.0" x 1.75"
Connectors
SMA(f) and solder pins on side

**Packaging** 

**Warm-Up Power** 

Supply Voltage

+15 VDC ±5%
ADJUSTMENT
Loop BW

Type 2 Loop

ENVIRONMENTAL
Operating Temperature
0° to +50°C
Storage Temperature
-40° to +85°C

~30 Hz, typical

following information:

100 MHz PL Citrine

Serial # - Date Code

+15 VDC

Output Level

**Test Data** 

501-26231 (Current Rev.)

Resonance

**OTHER** 

Label

CRYSTAL Type

**Total Power** 

Nickel-plated machined aluminum case – CVPLOI POWER REQUIREMENTS

≤ 8 Watts for 5 minutes

Target Bandwidth: ≤ 10 Hz

100 MHz SC-cut (low-g)
Acceleration Sensitivity

 $\leq$  3 x 10<sup>-10</sup>/g per axis, typical

(Internal Mount Natural Frequency)

Use conventional label with the

Phase Noise, Static, Free-Running

Power - Warm-up and Total

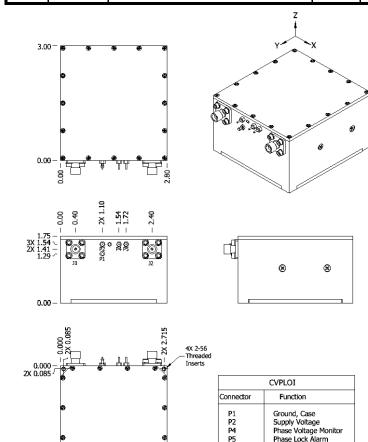
Acceleration Sensitivity

Temperature Stability, Free-Running Harmonics, Subs, Products, Spurious

Mount Natural Frequency Resonance

≤ 5 Watts at +25°C

	EV	DATE	REVISION RECORD	DWN	AUTH
	-	08-31-12	Initial Release	PAC	
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2X 2.915-

Title:

## Wenzel Associates, Inc.

External Reference Input RF Output

Connector numbers are for reference

only and will not be marked on unit.

Austin, Texas

Premium 100 MHz-SC Phase Lock Citrine Vibration Isolated Crystal Oscillator

	Vibration isolated orystal oscillator									
	501-26231		Rev: Date		:	Drawn:			Ref: ULN	
					8-31-12					
	Tolerances: (except as noted) Dimensions are in inches	_	.XX Dec: ±0.03	0"	0.XXX Dec: ±0.010"	FSCM: 628	21	Р	age 1 of 1	