INPUT	
Frequency _	
10 MHz, ±5 x 10 <sup>-7</sup>	
Level	
+7 dBm ±5 dB into 50 ohms	
OUTPUT	
Frequency	
60 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	
-7	
3 x 10 <sup>-7</sup> per year thereafter, typical	
Phase Noise L(f), static, free-running	
100 Hz -135 dBc/Hz	
1 kHz -158 dBc/Hz	
10 kHz -175 dBc/Hz	
100 kHz -176 dBc/Hz	
Temperature Stability	
±2 x 10 <sup>-7</sup> free-running from 0 to +50°C	j,
(Ref. +25°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 x 2 x 1.3"	
Connectors	
SMA(f) and solder pins on side	
` '	

**Packaging** 

Warm-Up Power

**Total Power** 

Supply Voltage +15 VDC ±5% ADJUSTMENT Loop BW

Type 2 Loop

**ENVIRONMENTAL** 

0° to +50°C

**Operating Temperature** 

following information:

60 MHz PL Citrine

Serial # - Date Code

+15 VDC

Output Level

**Test Data** 

501-31590 (Current Rev.)

**Storage Temperature** 

-40° to +85°C

**OTHER** 

Label

CRYSTAL Type

Nickel-plated machined aluminum case - CVPLO POWER REQUIREMENTS

≤ 8 Watts for 5 minutes

Target Bandwidth: ≤ 10 Hz

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

 $\leq 5 \times 10^{-10}$ /g per axis, typical

Use conventional label with the

Phase Noise, Static, Free-Running

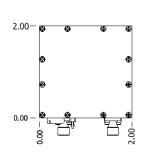
Power - Warm-up and Total

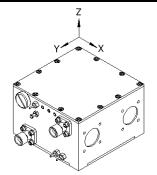
Temperature Stability, Free-Running

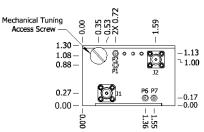
Harmonics, Subs, Products, Spurious

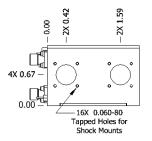
≤ 5 Watts at +25°C

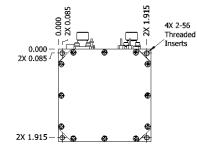
REV	DATE	REVISION RECORD	DWN	AUTH
-	04-04-18	Initial Release	CB	











Title:

CVPLO								
Connector	Function							
P1 P2 P6 P7 J1 J2	Ground, Case Supply Voltage Phase Lock Voltage Monitor Phase Lock Alarm External Reference Input RF Output							

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

## Wenzel Associates, Inc.

Austin, Texas

Premium 60 MHz-SC Phase Lock Citrine Crystal Oscillator

	P/N:	Rev:	Date	<b>)</b> :	Drawn:		Ref:			
	501-31590	-	0	4-04-18			ULN			
	Tolerances: (except as noted) Dimensions are in inches	0.XX Dec: ±0.03	30"	0.XXX Dec: ±0.010"	FSCM: 62821	F	Page 1 of 1			