INPUT
Frequency
10 MHz, ±5 x 10 ⁻⁷
Level
+7 dBm ±5 dB into 50 ohms
OUTPUT
Frequency
50 MHz
Level
+13 dBm ±2 dB into 50 ohms
STABILITY
Aging
1 x 10 ⁻⁶ first year
after 30 days operating, typical
5 x 10 ⁻⁷ second year, typical
2 40-7
3 x 10 ⁻⁷ 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
$\pm 2 \times 10^{-7}$ free-running from 0 to +50°C,
(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
Dimensions 2 x 2 x 1.3"
Dimensions

Packaging

Warm-Up Power

Total Power

Supply Voltage +15 VDC ±5% ADJUSTMENT Loop BW

Type 2 Loop

ENVIRONMENTAL

0° to +50°C

Operating Temperature

Storage Temperature

following information:

50 MHz PL Citrine

Serial # - Date Code

+15 VDC

Output Level

Test Data

501-26246 (Current Rev.)

-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

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

≤ 5 x 10⁻¹⁰/g per axis, typical

Use conventional label with the

Phase Noise, Static, Free-Running

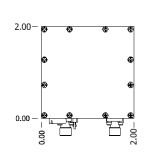
Power – Warm-up and Total Acceleration Sensitivity

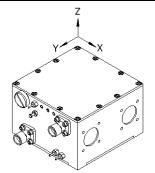
Temperature Stability, Free-Running

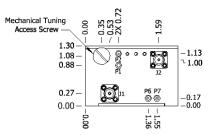
Harmonics, Subs, Products, Spurious

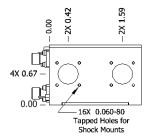
≤ 5 Watts at +25°C

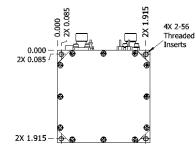
REV	DATE	REVISION RECORD	DWN	AUTH
-	09-05-12	Initial Release	PAC	











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, Tex

Premium 50 MHz-SC Phase Lock Citrine Crystal Oscillator

Oil in Oily Star Osomator								
P/N:	Rev:	Date	:	Drawn:		Ref:		
501-26246	-	0	9-05-12			ULN		
Tolerances: (except as noted) Dimensions are in inches	0.XX Dec		0.XXX Dec: ±0.010"	FSCM: 62821	F	Page 1 of 1		