<u>I</u> NPUT					
Frequency 7					
10 MHz, ±5 x 10 ⁻⁷					
Level					
+7 dBm ±5 dB into 50 ohms					
OUTPUT					
Frequency					
100 MHz					
Level					
+18 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					
3 x 10 ⁻⁷ per year thereafter, typical					
Phase Noise L(f), static, free-running					
100 Hz -138 dBc/Hz					
1 kHz -163 dBc/Hz					
10 kHz -183 dBc/Hz					
100 kHz -188 dBc/Hz					
Temperature Stability					
$\pm 5 \times 10^{-7}$ free-running from 0 to $\pm 50^{\circ}$ 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					
2.8" x 3.0" x 1.75"					
Connectors					
SMA(f) and solder pins on side					

+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

+15 VDC

Output Level

Test Data

following information:

Serial # - Date Code

501-27039 (Current Rev.)

100 MHz PL G-Citrine VI

Resonance

OTHER

Label

CRYSTAL Type

Target Bandwidth: ≤ 10 Hz

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

≤ 3 x 10⁻¹⁰/g per axis, typical

(Internal Mount Natural Frequency)

Use conventional label with the

Phase Noise, Static, Free-Running

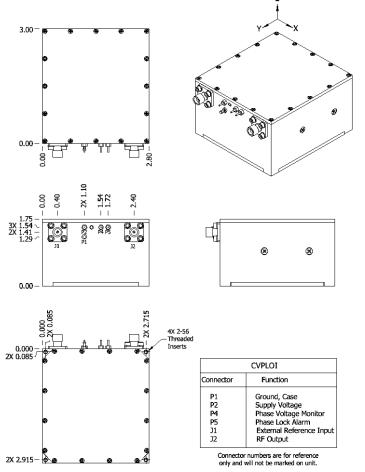
Power - Warm-up and Total

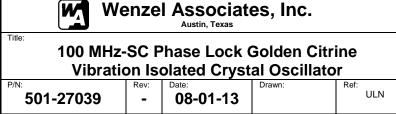
Acceleration Sensitivity (100 Hz)

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

Mount Natural Frequency Resonance

	REV	DATE	REVISION RECORD	DWN	AUTH
Packaging	-	08-01-13	Initial Release	PAC	
Nickel-plated machined					
aluminum case – CVPLOI				-+	
POWER REQUIREMENTS				_	+
Warm-Up Power					
≤ 10 Watts for 5 minutes					
Total Power					
≤ 6 Watts at +25°C				ž	
Supply Voltage	3.0	n- 			





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