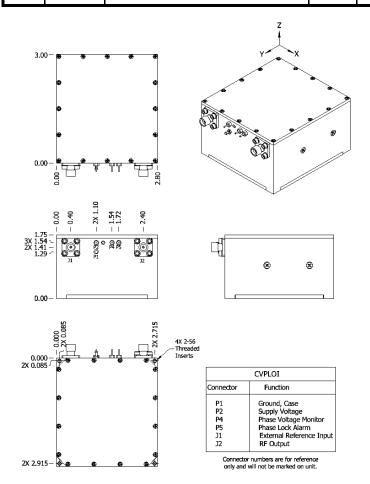
INPUT	Connectors			
	Connectors			
Frequency	SMA(f) and solder pins on side			
10 MHz, ±5 x 10 ⁻⁷	Packaging Nickel ploted machined			
Level	Nickel-plated machined aluminum case – CVPLOI			
+7 dBm ±6 dB into 50 ohms				
OUTPUT	POWER REQUIREMENTS			
Frequency	Warm-Up Power			
70 MHz	≤ 10 Watts for 5 minutes			
Level	Total Power			
+16 dBm ±2 dB into 50 ohms	≤ 6 Watts at +25°C			
STABILITY	Supply Voltage			
Aging	+15 VDC ±5%			
1 x 10 ⁻⁶ first year	ADJUSTMENT			
after 30 days operating, typical	Loop BW Target Bandwidth: ≤ 10 Hz			
5 x 10 ⁻⁷ second year, typical	Type 2 Loop			
3 x 10 ⁻⁷ per year thereafter, typical	CRYSTAL			
Phase Noise L(f), static, free-running	Туре			
100 Hz -134 dBc/Hz	70 MHz SC-cut (low-g)			
1 kHz -159 dBc/Hz	Acceleration Sensitivity			
10 kHz -180 dBc/Hz	≤ 3 x 10 ⁻¹⁰ /g per axis, typical			
100 kHz -182 dBc/Hz	ENVIRONMENTAL			
Phase Noise L(f), Dynamic, typical	Operating Temperature			
10 Hz -75 dBc/Hz	0° to +40°C			
10 Hz -75 dBc/Hz 100 Hz -109 dBc/Hz 1 kHz -151 dBc/Hz	Storage Temperature			
1 kHz -151 dBc/Hz	-40° to +85°C			
2 kHz -163 dBc/Hz	Vibration Level			
Temperature Stability (free-running)	10 Hz to 2 kHz 0.01 g ² /Hz			
±5 x 10 ⁻⁷ from 0 to +40°C, (Ref. +25°C)	Resonance			
Harmonics	(Internal Mount Natural Frequency)			
-30 dBc	~30 Hz, typical			
Sub-Harmonics	OTHER			
-80 dBc	Label			
PLL Divider Products	Use conventional label with the			
-95 dBc	following information:			
Non-Harmonic Spurious	501-29562 (Current Rev.)			
-90 dBc, excluding power	70 MHz Citrine PLO			
supply line related spurs	+15 VDC			
Phase Lock Alarm	Serial # - Date Code			
TTL	Test Data			
Locked: +3.5 VDC to +5.2 VDC (Hi)	Output Level			
Out-of-Lock: +0.8 VDC max (Lo)	Phase Noise, Static, Free-Running			
Phase Lock Voltage Monitor	Temperature Stability, Free-Running			
Voltage monitor pin supplied	Harmonics, Subs, Products, Spurious			
MECHANICAL	Power – Warm-up and Total			
Dimensions	Acceleration Sensitivity			
2.8" x 3.0" x 1.75"	Mount Natural Frequency Resonance			

REV	DATE	REVISION RECORD	DWN	AUTH
-	11-16-15	Initial Release	CB	
Α	09-28-16	Changed Temp from +50C to +40C	СВ	



Wenzel Associates, Inc.

70 MHz-SC Phase Lock Golden Citrine Vibration Isolated **Crystal Oscillator**

501-29562	Rev:	Date 0	9-28-16	Drawn:		Ref: ULN
Tolerances: (except as noted) Dimensions are in inches	0.XX Dec: ±0.03	0"	0.XXX Dec: ±0.010"	FSCM: 62821	F	Page 1 of 1