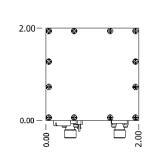
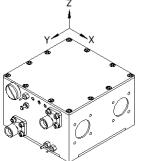
INPUT	
Frequency	
10 MHz, ±5 x 10 ⁻⁷	
Level	
+7 dBm ±5 dB into 50	ohms
OUTPUT	
Frequency	
120 MHz	
Level	
+17 dBm ±2 dB into 5	0 ohms
STABILITY	
Aging	
1 x 10 ⁻⁶ first year	
after 30 days operatin	g, typical
5 x 10 ⁻⁷ second year,	typical
7 -7	typioai
3 x 10 ⁻⁷ per year there	
Phase Noise L(f), static	
100 Hz -132 dBc/l	
1 kHz -156 dBc/l	
10 kHz -180 dBc/l	
100 kHz -188 dBc/l	HZ
Temperature Stability	
±5 x 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	e
-80 dBc, excluding po	
supply line related spu	
Phase Lock Alarm	ui S
TTL	
Locked: +3.5 VDC to	+5.2 VDC (Hi)
Out-of-Lock: +0.8 VD0	C max (I o)
Phase Lock Voltage Mo	
Voltage monitor pin su	
MECHANICAL	арріїоч
Dimensions	
2 x 2 x 1.3"	
Connectors	
SMA(f) and solder pin	s on side
· ·	

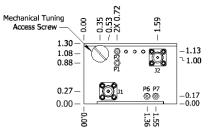
	Packaging
	Nickel-plated machined
	aluminum case - CVPLO
	POWER REQUIREMENTS
	Warm-Up Power
	≤ 10 Watts for 5 minutes
	Total Power
	≤ 6 Watts at +25°C
	Supply Voltage
	+15 VDC ±5%
	ADJUSTMENT
	Loop BW
	Target Bandwidth: ≤ 30 Hz
	Type 2 Loop CRYSTAL
	Type
	120 MHz SC-cut (low-g)
	Acceleration Sensitivity
	≤ 3 x 10 ⁻¹⁰ /g per axis, typical
	≥ 3 x 10 /g per axis, typical ENVIRONMENTAL
	Operating Temperature
	0° to +50°C
	Storage Temperature
C,	-40° to +85°C
Ο,	OTHER
	Label
	Use conventional label with the
	following information:
	501-30699 (Current Rev.)
	120 MHz G-Citrine PLO
	+15 VDC
	Serial # - Date Code
	Test Data
	Output Level
	Phase Noise, Static, Free-Running
	Temperature Stability, Free-Running
	Harmonics, Subs, Products, Spurious

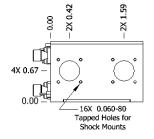
Power - Warm-up and Total

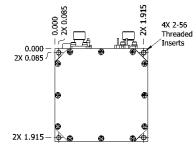
REV	DATE	REVISION RECORD	DWN	AUTH
-	03-02-17	Initial Release	CB	
		7		











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.

120 MHz-SC Golden Citrine Phase Lock Crystal Oscillator (30 Hz LBW)

P/N:	Rev:	Date):	Drawn:		Ref:
501-30699	-	0	3-02-17			ULN
Tolerances: (except as noted) Dimensions are in inches	0.XX Dec: ±0.03	30"	0.XXX Dec: ±0.010"	FSCM: 62821	Р	Page 1 of 1