OUTPUT
Frequency
156.25 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
3 x 10 ⁻⁷ per year thereafter, typical
Phase Noise L(f), Static
100 Hz -124 dBc/Hz
1 kHz -148 dBc/Hz 10 kHz -167 dBc/Hz
10 kHz -167 dBc/Hz 100 kHz -168 dBc/Hz
Temperature Stability
reinperature Stability
±2 x 10 ⁻⁷ , 0° to +50°C (Ref +25°C)
Harmonics
≤ -25 dBc
Sub-Harmonics
≤ -50 dBc
Non-Harmonic Spurious
≤ -80 dBc, excluding power supply line related spurs
MECHANICAL
Dimensions
2" x 2" x 1.3"
Connectors
SMA(f) and solder pins on one side
Packaging
Nickel-plated machined
aluminum housing (CVP-1A)
Mounting
Threaded inserts, # 2-56, 4 places
Tapped holes on sides, 16 places
(provisions for shock mounts)
POWER REQUIREMENTS
Warm-Up Power
≤ 7 Watts for 5 minutes at +25°C
Total Power

≤ 4 Watts at +25°C

CRYSTAL Type

OTHER

+15 VDC

Output Level

Test Data

Label

±5 x 10⁻⁷ min, ±5 VDC

78.125 MHz SC-cut w/ x2 stage

≤ 5 x 10⁻¹⁰ /g per axis, typical

Use conventional label with the

following information:

Serial # - Date Code

Phase Noise - Static

Temperature Stability

Harmonics, Subs, Spurious Power - Warm-up and Total Tuning – MT and ET

501-28346 (Current Rev.)

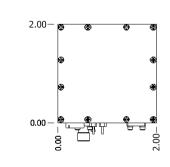
156.25 MHz Citrine Plus

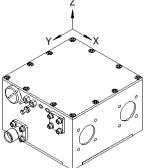
Negative slope

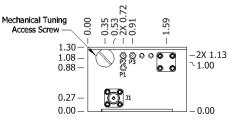
Acceleration Sensitivity

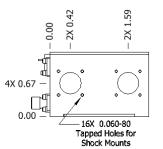
ENVIRONMENTAL Operating Temperature 0° to +50°C **Storage Temperature** -40° to +85°C

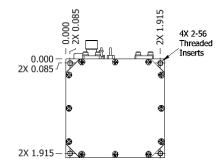
	REV	DATE	REVISION RECORD	DWN	AUTH
Supply Voltage	-	08-14-14	Initial Release	PAC	
+15 VDC ±5%					
ADJUSTMENT					
Mechanical Tuning					
±4 x 10 ⁻⁶					
Electrical Tuning			Z		











CVP-1A				
Connector	Function			
P1 P2 P3 J1	Ground, Case Supply Voltage Electrical Tuning RF Output			

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

Wenzel Associates, Inc.

Austin, Texas

156.25 MHz Citrine Plus Crystal Oscillator

P/N:	Rev:	Date):	Drawn:		Ref:
501-28346	-	08-14-14				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