OUTPUT	
Frequency	
320 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	
3 x 10 per year thereafter, typical	
Phase Noise L(f), Static	
100 Hz -118 dBc/Hz	
1 kHz -143 dBc/Hz 10 kHz -160 dBc/Hz	
10 kHz -160 dBc/Hz 100 kHz -161 dBc/Hz	
Temperature Stability	
7	
±5 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	
≤ 8.5 Watts for 5 minutes at +25°C	
Total Power	
≤ 6 Watts at +25°C	

Supply Voltage +15 VDC ±5% ADJUSTMENT Mechanical Tuning ±4 x 10⁻⁶ Electrical Tuning

±2 x 10⁻⁷ min, ±5 VDC

80 MHz SC-cut w/ x4 stage

≤ 5 x 10⁻¹⁰ /g per axis, typical

Use conventional label with the

following information:

320 MHz Citrine Plus

Serial # - Date Code

Phase Noise - Static

Temperature Stability

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

+15 VDC

Output Level

Test Data

501-26637 (Current Rev.)

Negative slope

Acceleration Sensitivity

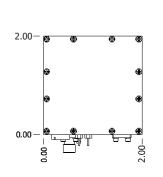
ENVIRONMENTAL
Operating Temperature
0° to +50°C
Storage Temperature
-40° to +85°C

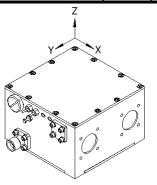
CRYSTAL Type

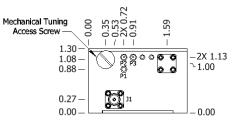
OTHER

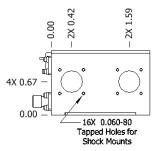
Label

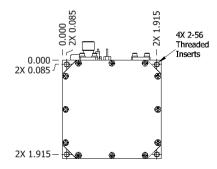
REV	DATE	REVISION RECORD	DWN	AUTH
-	02-25-13	Initial Release	PAC	











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

Premium 320 MHz Citrine Plus Crystal Oscillator

P/N:	Rev:	Date	•	Drawn:		Ref:	
501-26637	-	- 02-25-13				ULN	
Tolerances: (except as noted) Dimensions are in inches	0.XX Dec: ±0.03	0"	0.XXX Dec: ±0.010"	FSCM: 62821	Р	Page 1 of 1	