OUTPUT
Frequency
125 MHz
Level
+13 dBm ±2 dB into 50 ohms
STABILITY
Aging
1 x 10 ⁻⁶ per year
after 30 days operating, typical
Phase Noise L(f), Static
100 Hz -128 dBc/Hz
1 kHz -158 dBc/Hz
10 kHz -175 dBc/Hz
100 kHz -176 dBc/Hz
Temperature Stability
10mperature oldsmity
±2 x 10 ⁻⁷ , 0° to +50°C (Ref +25°C)
Harmonics
≤ -30 dBc
Spurious
≤ -90 dBc, excluding power
supply line related spurs
MECHANICAL
Dimensions
2 x 2 x 0.7"
Connectors
SMA(f) and solder pins on side
Packaging
Nickel-plated machined
aluminum case (CV-1A)
Mounting
Threaded inserts, # 2-56, 4 places
Tapped holes on sides, 16 places
(provisions for shock mounts)
POWER REQUIREMENTS
Warm-Up Power
≤ 6 Watts for 5 minutes
Total Power
≤ 3 Watts at +25°C
Supply Voltage
+15 VDC ±5%
ADJUSTMENT
Mechanical Tuning
±4 x 10 ⁻⁶

Type

OTHER

Test Data

Label

125 MHz SC-Cut

Acceleration Sensitivity

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

 \leq 5 x 10⁻¹⁰/g per axis, typical

Use conventional label with the

following information: 501-28344 (Current Rev.)

Serial # - Date Code

Phase Noise, Static

Temperature Stability

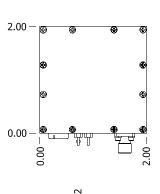
Harmonics, Spurious Power – Warm-up and Total

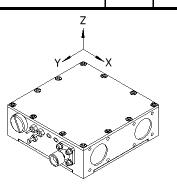
Tuning – MT and ET

125 MHz Citrine +15 VDC

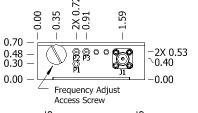
Output Level

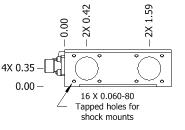
	KLV	DAIL	KEVISION KECOKD	DVVIV	AUIII
	-	08-14-14	Initial Release	PAC	
Electrical Tuning					
±5 x 10 ⁻⁷ , ±5 VDC					
Negative slope					
CRYSTAL					

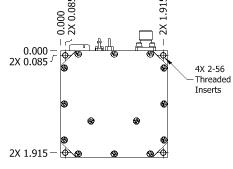




DEVISION DECOR







CV-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 125 MHz-SC Citrine Crystal Oscillator

P/N: 501-28344	Rev:	00 44 44		Drawn:		Ref: ULN
Tolerances: (except as noted) Dimensions are in inches	0.XX Dec: ±0.03		0.XXX Dec: ±0.010"	FSCM: 62821	F	Page 1 of 1