OUTPUT	
Frequency	
50 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 -135 dBc/Hz	
1 kHz -155 dBc/Hz	
10 kHz -169 dBc/Hz	
100 kHz -170 dBc/Hz	
Temperature Stability -7	
±5 x 10 ⁻⁷ , 0° to +50°C (Ref +25°C)	
Harmonics	
≤ -30 dBc	
Spurious ≤ -90 dBc, excluding power	
supply line related spurs	
MECHANICAL	
Dimensions	
2.8" x 3.0" x 1.15"	
Connectors	
SMA(f) and solder pins on side	
Packaging Nickel alote describes de	
Nickel-plated machined aluminum case – (CVI-1)	
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	
±4 x 10 Electrical Tuning	
±5 x 10 ⁻⁷ min, ±5 VDC	
Negative slope	

ODVOTAL	EV	DATE			EVISION RECORD		DWN	AUTH
CRYSTAL		09-06-12	Initial Rele	ease			PAC	
Туре								
50 MHz SC-cut (low-g)	<u> </u>							
Acceleration Sensitivity	<u> </u>	1						
		<u> </u>						
≤ 5 x 10 ⁻¹⁰ /g per axis, typical	<u> </u>	ļ						
ENVIRONMENTAL								
Operating Temperature						Z		
0° to +50°C	3.00-	· <u> </u>		-		+		
Storage Temperature	5.0	P	₹ ₩	4				
						Y	<	
-40° to +85°C		9		•		<u>√</u> • •		
Resonance					•	•	•	
(Internal Mount Natural Frequency)		*			∕ €		•	\
~50 Hz, typical							-	<i></i>
OTHER					-		_//	
Label		Ð		69			<i>"</i> " #	
					- Com -		- n /	//
Use conventional label with the	0.00 -						* //	ĺ
following information:	:			_ -80-			//	
501-26251 (Current Rev.)		0.00		7				
50 MHz Citrine		0				Y		
+15 VDC	9	0.00 0.75 2X 1.10 1.29	9					
Serial # - Date Code	Č		- 2.40					
	1.15 -			7/5 <u>s</u>				
Test Data	0.72 _	₩	00) -d	X 0.94 1			
Output Level	0.72 ₇ 0.69) Pi	J1		-U	⊛	⊕	
Phase Noise, Static		/						
Temperature Stability	0.00—	Frequency	Adjust Access S	icrew -0).00			
Harmonics, Spurious			, 10, 222	10				
Power – Warm-up and Total	(0.000 2X 0.085		71.				
	9	0 X	_	, X	4X 2-56			
Tuning – MT and ET		「 「一 「一 「 「 「 」		<u>↓</u> î ∠	— Threaded Inserts			
Acceleration Sensitivity	0.000 − 2X 0.085 [∫]	9 8	⊕ "€		11100100			
Mount Natural Frequency Resonance		3		69				
• •						CVI-1		
		\$		9	Connec		ion	
					Connec	.toi	Oli	
					P1	Ground,		
		₱		€9	P2 P3	Supply \	Voltage al Tuning	
					Ji	RF Out		
		⊗		68	Connect	tor numbers are for r	eference	
	2X 2.915-	6 8		À		d will not be marked		
				•				
		W W	/enze	I A	ssociate	es. Inc.		
			· • · · · · ·		ustin, Texas	,		
	Title:				•			
	Standard 50 MHz-SC Citrine							
	Vibration Isolated Crystal Oscillator P/N: Rev: Date: Drawn: Ref:							
					Date: Drawn:			SPR
	501	-26251	-	U	9-05-12			· · · ·
	Tolerances:		0.XX Dec:	1	0.XXX Dec:	FSCM:	1	
	(except as note Dimensions are		±0.03	O "	±0.010"	62821	Page 1 c	of 1
			0.00		±0.010			