INPUT Frequency 10 MHz Level +7 dBm ±6 dB into 50 ohms OUTPUT Frequency 1.28 GHz Level +13 dBm ±2 dB into 50 ohms **STABILITY** Aging (free-running) 1 x 10⁻⁶ first year after 30 days operating, typical 5×10^{-7} second year, typical 3×10^{-7} per year thereafter, typical Phase Noise L(f), typical, (free-running) -106 dBc/Hz 100 Hz 1 KHz -131 dBc/Hz 10 KHz -148 dBc/Hz 100 KHz -149 dBc/Hz **Temperature Stability** $\pm 5 \times 10^{-7}$ free-running from 0 to $\pm 50^{\circ}$ C (Ref. +25°C) Harmonics -25 dBc Sub-Harmonics -60 dBc **PLL Divider Products** -60 dBc Spurious -80 dBc, excluding power supply line related spurs Phase Lock Alarm TTI Locked: +3.5 VDC to +5.2 VDC (Hi) Out-of-Lock: +0.8 VDC max (Lo) Phase Lock Voltage Monitor Voltage monitor pin supplied MECHANICAL Dimensions 4.4 x 4 x 1"

	REV	DATE	RI	EVISION RECORD		DWN	AUTH
Connectors	-	10-27-16	Initial Release			PAC	
RF Input/Output: SMA(f)							
Power, Monitoring: Feed Thru Terminals							
GND: Ground Turret							
Packaging							
Nickel-plated machined			J2P M	1XO Connections			
aluminum housing – J2P			Connector	Function			
Mounting			1	Supply Voltage			
Threaded inserts on base,			2 4	Ground, Case RF Output			
#2-56, 6 places			5	Phase Lock Voltage			
POWER REQUIREMENTS			6 7	Phase Lock Alarm External Reference I	nput		
Warm-Up Power							
\leq 12.5 Watts for 5 minutes							
Total Power		1.00					
≤ 9 Watts at +25°C		0.75 — O	6		А		
Supply Voltage		0.44 — 0.25 —	2 [©]		Ċ		
+12 VDC ±5%		0 -	0-0		0-0	_	
ADJUSTMENT			凸 I				
Loop BW		0.40	0.64 0.68 1.45		3.85	4.40	
Target Bandwidth: ≤ 10 Hz		1					
Type 2 Loop		4.00 -0	루죽 때		₽_¶	ว	
CRYSTAL		4.00			,		
Туре							
80 MHz SC-cut (x16)							
OTHER							
Label							
Use conventional label with the							
following information:		2.000 - 0			6	5	
501-30442 (Current Rev.)		2.000			Ċ	_	
1.28 GHz MXO-PLD							
+12 VDC							
Serial # - Date Code							
(Mark connectors with function)							
Test Data			Threaded Inserts 6 Places, 0.150"				
- Output Level		0.085 -				\leq	
- Phase Noise – free-running		0 - 0			/	기	
- Temperature Stability – free-running		0.085			15	4.40	
- Harmonics, Subs, Products, Spurious		0.0			4	4	
- Power – Warm-up and Total							
- Power – Warn-up and Total	Wenzel Associates, Inc.						
				Austin, Texas	0, 110.		
	Title:			,			
	1.2	B GHz M	ultiplied C	Crystal Osc	illator (I	MXO-	PLD)
	P/N:		•	Date:	Drawn:		
		1-30442		10-27-16	Diawn:		on. 01-24798
	50	1-30442					
	Tolerances (except as		0.XX Dec:		FSCM:	_ 1	. 1
		s are in inches	±0.030"	±0.010"	62821	Page 1	1 10
			•				