		REV	DATE	REVISION RECORD	DWN	AUTH
INPUT	Connectors	-	03-28-12	Initial Release	PAC	
Frequency	RF Input/Output: SMA(f)					
10 MHz	Power, Monitoring: Feed Thru Terminals					
Level	GND: Ground Turret					
+7 dBm ±6 dB into 50 ohms	Packaging			J1P MXO Connections		
OUTPUT	Nickel-plated machined					
Frequency	aluminum housing – J1P			Connector Function		
300 MHz	Mounting			1 Supply Voltage 2 Ground, Case		
Level	Threaded inserts on base,			4 RF Output		
+13 dBm ±2 dB into 50 ohms	6 places, #2-56			5 Phase Lock Voltage 6 Phase Lock Alarm		
STABILITY	POWER REQUIREMENTS			7 External Reference Input		
Aging (free-running)	Warm-Up Power			· · · ·		
1 x 10 ⁻⁶ first year	≤ 10 Watts for 5 minutes					
after 30 days operating, typical	Total Power		1.00 —	A A A A A A A A A A A A A A A A A A A		
	≤ 7 Watts at +25°C		0.75 —			
5×10^{-7} second year, typical	Supply Voltage		0.44 —	20 4		
3×10^{-7} per year thereafter, typical	+15 VDC ±5%		0.25 —	7000		
Phase Noise L(f), typical, (free-running)	ADJUSTMENT		0 —⊨			
100 Hz -119 dBc/Hz	Loop BW		0	0.40 0.68 1.45 2.90		
1 KHz -147 dBc/Hz	Target Bandwidth: ≤ 10 Hz					
10 KHz -163 dBc/Hz	Type 2 Loop					
100 KHz -164 dBc/Hz	CRYSTAL		4.00 — 3.915 - 🗸			
Temperature Stability			5.515			
$\pm 5 \times 10^{-7}$ free-running from 0 to $\pm 50^{\circ}$ C	Туре					
$\pm 5 \times 10^{-11}$ Hee-running from 0 to $\pm 50^{-1}$ C	100 MHz SC-cut (x3)					
(Ref. +25°C)	OTHER					
Harmonics	Label					
-25 dBc	Use conventional label with the					
Sub-Harmonics	following information:		2.000 — 🤇			
-60 dBc	501-25382 (Current Rev.)		2.000 - C			
PLL Divider Products	300 MHz MXO-PLD					
-60 dBc	+15 VDC					
Spurious	Serial # - Date Code					
-80 dBc, excluding power	(Mark connectors with function)					
supply line related spurs	Test Data			Threaded Inserts, #2-56, 6 places, 0.190" deep		
Phase Lock Alarm	- Output Level		0.005			
TTL	- Phase Noise – free-running		0.085	× ⁄o		
Locked: +3.5 VDC to +5.2 VDC (Hi)	- Harmonics, Subs, Products, Spurious		-			
Out-of-Lock: +0.8 VDC max (Lo)	- Power – Warm-up and Total		0	1085 1360 3.45		
Phase Lock Voltage Monitor	- FOWEI – Wann-up anu Totai	-		5 m		
Voltage monitor pin supplied				Wenzel Associates, In	C	
MECHANICAL		1		Austin, Texas		
Dimensions		Title:		······		
			0 MHz M	ultiplied Crystal Oscillato	· (MXO-	PLD)
3.45 x 4 x 1"				• •	•	•)
		P/N:	01-25382		R	ы.
		50	JI-23302	2 - 03-28-12		
		Tolerance (except as		0.XX Dec: 0.XXX Dec: FSCM:		4
			ns are in inches	±0.030" ±0.010" 6282	1 Page 1	of I
		1				