		REV	DATE	REVISION RECORD	DWN	AUTH
INPUT	Connectors	-	03-26-13	Initial Release	PAC	
Frequency	RF Input/Output: SMA(f)					
10 MHz	Power, Monitoring: Feed Thru Terminals					
Level	GND: Ground Turret					
$+7 \text{ dBm } \pm 6 \text{ dB into } 50 \text{ ohms}$	Packaging		-			
OUTPUT	Nickel-plated machined			J2P MXO Connections		
Frequency	aluminum housing – J2P			Connector Function		
3.5 GHz	Mounting					
Level	Threaded inserts on base,			1 Supply Voltage 2 Ground, Case		
+13 dBm ±2 dB into 50 ohms	#2-56, 6 places			4 RF Output 5 Phase Lock Voltage		
STABILITY				6 Phase Lock Alarm		
	Warm-Up Power			7 External Reference Input		
Aging (free-running)	≤ 14.5 Watts for 5 minutes					
1 x 10 ⁻⁶ first year	Total Power		1.00 —			
after 30 days operating, typical	≤ 11 Watts at +25°C		0.75 — 💮			
5 x 10 ⁻⁷ second year, typical	Supply Voltage		0.44 — 5	6 3 0 -	4	
3 x 10 ⁻⁷ per year thereafter, typical	+15 VDC ±5%			Qo II	3	
Phase Noise L(f), typical, (free-running)			0	 		
100 Hz -93 dBc/Hz	Loop BW		0 0	0.64 - 0.68 - 1.45 - 1.45 - 1.45	3.85 - 4.40 -	
1 KHz -120 dBc/Hz	Target Bandwidth: ≤ 10 Hz		ö		τ. Έ	
10 KHz -137 dBc/Hz	Type 2 Loop				<u> </u>	
100 KHz -138 dBc/Hz	CRYSTAL	3	4.00 — 0 ^{di}		0	
Temperature Stability	Туре					
±5 x 10 ⁻⁷ free-running from 0 to +50°C	70 MHz SC-cut (x50)					
(Ref. +25°C)	OTHER					
Harmonics	Label					
-25 dBc	Use conventional label with the					
Sub-Harmonics	following information:					
-60 dBc	501-26700 (Current Rev.)	2	2.000 — 🖸		0	
PLL Divider Products	3.5 GHz 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					
TTL	- Phase Noise – free-running	(0.085		<u>⁄o</u>	
Locked: +3.5 VDC to +5.2 VDC (Hi)	- Temperature Stability – free-running		- 15			
Out-of-Lock: +0.8 VDC max (Lo)	- Harmonics, Subs, Products, Spurious		0.085		4.315 4.40	
Phase Lock Voltage Monitor	- Power – Warm-up and Total		0		7	
Voltage monitor pin supplied				Wenzel Associates, Ir	IC.	
MECHANICAL		1		Austin, Texas		
Dimensions		Title:				
4.40 x 4 x 1"		3.5	5 GHz Mu	ultiplied Crystal Oscillato	or (MXO-P	'LD)
-		P/N:		Rev: Date: Draw	n: Re	ef:
		50)1-26700	- 03-26-13		
		Tolerance	5:	0.XX Dec: 0.XXX Dec: FSCM:		
		(except as		± 0.030 " ± 0.010 " 6282	21 Page 1 d	of 1