		REV DATE		REVISION RECORD	DWN	AUTH
INPUT	Connectors	-	07-30-13	Initial Release	PAC	
Frequency	RF Input/Output: SMA(f)					
10 MHz	Power, Monitoring: Feed Thru Terminals					
Level	GND: Ground Turret					
+13 dBm ±1 dB into 50 ohms	Packaging					
				J2PM MXO Connections		
	Nickel-plated machined					
Frequency 2.5 GHz	aluminum housing – J2PM			Connector Function		
Level	Mounting Threaded inserts on base.			1 Supply Voltage 2 Ground, Case		
	,			4 RF Output		
+13 dBm ±2 dB into 50 ohms STABILITY	6 places, #2-56 POWER REQUIREMENTS			5 Phase Lock Voltage 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	≤ 11.5 Watts at +25°C	0.75 -	7000			
5×10^{-1} second year, typical	Supply Voltage	0.44 -	_	56 2©	4	
3×10^{-7} per year thereafter, typical	+15 VDC ±5%	0.25 -	-	-	<u> S</u>	
Phase Noise L(f), typical, (free-running)	ADJUSTMENT	0 -				
100 Hz -100 dBc/Hz	Loop BW		.0 .53	1.64 - 1.64 - 2.40 - 2.4	4.81	
1 KHz -127 dBc/Hz	Target Bandwidth: ~200 Hz		o M		ет 4 г.	
10 KHz -144 dBc/Hz	Type 2 Loop	4.00				
100 KHz -145 dBc/Hz	CRYSTAL	4.00 - 3.915 [⊥]	=0⁄		\diamond	
Temperature Stability						
$\pm 5 \times 10^{-7}$ free-running from 0 to $\pm 50^{\circ}$ C						
(Ref. +25°C)	100 MHz SC-cut (x25) OTHER					
Harmonics	Label					
-25 dBc	Use conventional label with the					
Sub-Harmonics	following information:				_	
-60 dBc	501-27033 (Current Rev.)	2.000 -	-0		0	
PLL Reference Products	2.5 GHz MXO-PLM					
-60 dBc	+15 VDC					
Spurious	Serial # - Date Code					
-80 dBc, excluding power	(Mark connectors with function)					
supply line related spurs	Test Data			aaded Inserts, -56, Jaces, 0.190" deep		
Phase Lock Alarm	- Output Level	0.085 ¬	6 p	laces, 0.190" deep		
TTL	- Phase Noise – free-running	0.085	<u> </u>			
Locked: +3.5 VDC to +5.2 VDC (Hi)	- Harmonics, Subs, Products, Spurious		085 0		۲۱ و بع	
Out-of-Lock: +0.8 VDC max (Lo)	- Power – Warm-up and Total		0.08		5.270 5.36	
Phase Lock Voltage Monitor						
Voltage monitor pin supplied				Wenzel Associate	es. Inc.	
MECHANICAL		Austin, Texas				
Dimensions		Title:				
5.36 x 4 x 1"		2.5	GHz Mu	ultiplied Crystal Osc	illator (MXO-I	PLM)
		P/N:		Rev: Date:	Drawn: Ref:	
		50 ⁻	1-27033	- 07-30-13		
		Tolerances	5	0.XX Dec: 0.XXX Dec:	FSCM:	
		(except as		±0.030" ±0.010"	62821 Page 1	of 2
				_0.010	-	