	Frequency	Level (into 50Ω)				
A	10 MHz	•				
A		+13 ±2 dBm				
В	10.24 GHz	+13 ±2 dBm				
STABILI	ΓY					
Aging	7					
	<sup>7</sup> first year					
	30 days operatir					
	<sup>ວ</sup> ັ້ second year,					
2 x 10	<sup>-8</sup> per year there	eafter, typical				
Phase No	oise L(f), dBc/ŀ	Iz, typical				
4011-	10 MHz 10.2					
10 Hz 100 Hz		-77 -96				
300 Hz		-99				
1 kHz		111				
10 kHz	-174 -	128				
100 kHz	-175 -	130				
≤ -60 ( Spurious ≤ -80 ( supply Phase Lo TTL Locke Out-of Phase Lo Voltag MECHAN Dimensio	dBc erence Product dBc dBc, excluding p dBc, excluding p / line related sp ock Alarm d: +3.5 VDC to f-Lock: +0.8 VD ock Voltage Mc ge monitor pin s lICAL ons : 4 x 1"	oower urs +5.2 VDC (Hi) C max (Lo) <b>onitor</b>				
RF Oι						

		REV	DATE	REVISION RECORD			DWN	AUTH
Packaging		-	08-14-13	Initial Releas	e		PAC	
Nickel-plated machined								
aluminum housing – J3PMX								
Mounting								
Threaded inserts on base,								
#2-56, 11 places						_		
POWER REQUIREMENTS				J3PM	X MXO Connections	_		
				Connector	Function			
Warm-Up Power				1 2	Supply Voltage Ground, Case			
≤ 27 Watts for 5 minutes				4	RF Output B			
Total Power				5	Phase Lock Voltage Phase Lock Alarm			
≤ 20 Watts at +25°C				8	RF Output A			
Supply Voltage								
+15 VDC ±5%	1.00 —							
ADJUSTMENT	0.75 —	Ø	3	00	1 ()		9	<u></u>
Mechanical Tuning (Internal 10 MHz)	0.44 —	8	9	5 6	2 🔘		Q	4
$\pm 1 \times 10^{-6}$					- •			
Loop BW (Internal 80 MHz PLL)	0 — L							
Target Bandwidth: ~300 Hz	- 0	0.65		2.49 -	3.55			6.92 - 7.46 -
Type 2 Loop		o					F	7 6
CRYSTAL	4.00 —		7	ДД	<u>h</u>		ן דה	<u> </u>
Туре	3.915	~		$\bigcirc$		0		$\sim$
80 MHz SC-cut (x128)								
OTHER			readed Inserts, #2-56 places, 0.190" deep	·				
Label								
Use conventional label with the								
following information:	2 000	ন						
501-25797 (Current Rev.) 10M/10.24GHz MXO-PLMX	2.000 — ( 1.750 —	2)			$\odot$			0
	1.750				•			
+15 VDC								
Serial # - Date Code								
(Mark connectors with function)								
Test Data		/		g access				
- Output Level	0.085 -			0		Ø		6
- Phase Noise	0 —	Ĩ,Ċ_ſ						<u>ت ر</u>
<ul> <li>Temperature Stability</li> </ul>	0	0.085		2.265	3.375	5.435		7.380
- Harmonics, Subs, Products, Spurs		0.0		7	m	Ń		~
<ul> <li>Power – Warm-up and Total</li> </ul>								
		<b>r</b>		A/	A			
	W Wenzel Associates, Inc.							
		Tiel	لعا		Austin, Texas			
	Title: 10 MHz & 10.24 GHz							
							<b>BI 1</b>	
			Multipli		tal Oscillator			
		P/N:	4 05707	Rev:	Date:	Drawn:	Re	f:
		50	1-25797	-	08-14-13			
		Tolerances:		0.XX Dec:		SCM:		
		(except as r Dimensions	are in inches	±0.030"	' ±0.010"	62821	Page <b>1</b> o	of 1
				1			1	