OUTPUTS									
Output	Frequency	Level (i	nto 50Ω)						
А	10 MHz	+13 ±	+13 ±2 dBm						
В	100 MHz	+13 ±	+13 ±2 dBm						
С	8 GHz	+13 ±	+13 ±2 dBm						
STABILI	ГҮ								
Aging	7								
1 x 10 ⁻⁷ first year									
after 30 days operating, typical									
5×10^{-8} second year, typical									
2 x 10 ⁻⁸ per year thereafter, typical									
Phase Noise L(f), dBc/Hz, typical									
40.11-	10 MHz	100 MHz	8 GHz						
10 Hz 100 Hz	-140 -160	-120 -138	-79 -97						
300 Hz	-165	-130	-102						
1 kHz	-172	-144	-102						
10 kHz	-174	-174 -132							
100 kHz		-176	-134						
Temperature Stability $\pm 5 \times 10^{-9}$, 0 to +50°C (Ref. +25°C) Harmonics \leq -25 dBc Sub-Harmonics									
≤ -60 dBc									
PLL Reference Products									
≤ -60 dBc									
Spurious									
≤ -80 dBc, excluding power									
supply line related spurs									
Phase Lock Alarm									
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 7.46 x 4 x 1"									
Connectors									
RF Outputs: SMA(f)									
Power, Monitoring: Feed Thru Terminals									
GND: Ground Turret									

		REV	DATE		REVISION RECORD		DWN	AUTH		
Destroine		-	02-07-13	Initial Release			PAC			
Packaging										
Nickel-plated machined										
aluminum housing – J3PMX-05										
Mounting										
Threaded inserts on base,		_	_							
#2-56, 11 places										
POWER REQUIREMENTS				J3PMX-05 MXO Con	nections					
Warm-Up Power			Co	nnector Function						
≤ 26 Watts for 5 minutes				1 Supply Vol 2 Ground, C	ase					
Total Power				4 RF Output 5 Phase Lock	Voltage					
≤ 19 Watts at +25°C				6 Phase Lock 7 RF Output	A					
Supply Voltage				8 RF Output	В					
+15 VDC ±5%	1.00 — 0.75 —	<u>a</u> @a		0 10		ş				
ADJUSTMENT	0.75 — 0.44 —	000	() 5	0 10 6 20						
Mechanical Tuning (Internal 10 MHz)	0.25 —			- ~						
$\pm 1 \times 10^{-6}$										
Loop BW (Internal 100 MHz PLL)	-	0.65	2.49	3.55]] 6.92 7.46		_		
Target Bandwidth: ~300 Hz	4.00 - 0		<u>_</u>	<u>h</u>						
Type 2 Loop	3.915	×	0		0	Ý		n		
CRYSTAL										
Туре		11 process	0.190° deep							
100 MHz SC-cut (x80)										
OTHER										
Label	2.000 — 🖸	J		~		0				
Use conventional label with the	1.750 —			0						
following information:										
501-26598 (Current Rev.)										
10M/100M/8GHz MXO-PLMX		Me	chanical tuning access							
+15 VDC	0.085 2		lanning secces		Ø	0				
Serial # - Date Code	0		1			<u>کر</u> الح		╘		
(Mark connectors with function)	0.085	0.395	2.265	3.375	5.435	7.380 7.46				
Test Data	0_									
- Output Level	0.25 —									
				ģ						
- Temperature Stability				6-6						
- Harmonics, Subs, Products, Spurs										
- Power – Warm-up and Total										
- Fower – Warn-up and Totai										
				Nenzel	Associate	es Inc.				
	Wenzel Associates, Inc.									
	Title:									
10 MHz, 100 MHz & 8 GHz										
Multiplied Crystal Oscillator (MXO-PLMX)										
		P/N:	<u></u>	Rev:	Date:	Drawn:	Re			
		50	1-26598	-	02-07-13					
		Tolerances		0.XX Dec:	0.XXX Dec:	FSCM:	1			
		(except as i Dimensions	noted) s are in inches	±0.030"	±0.010"	62821	Page 1 c	of 1		