OUTPUTS										
	Frequency	Level (into 50Ω)								
A	10 MHz	+13 ±2 dBm								
В	7 GHz	+13 ±2 dBm								
STABILI	ſY									
Aging										
1 x 10	⁻⁷ first year									
after 30 days operating, typical										
5 x 10 ⁻⁸ second year, typical										
	⁻⁸ per year ther									
Phase Noise L(f), dBc/Hz, typical										
40.11	10 MHz	7 GHz								
10 Hz 100 Hz	-140	-78								
300 Hz	-160 -165	-96 -100								
1 kHz	-172	-113								
10 kHz	-174	-129								
100 kHz	-175	-131								
Temperature Stability $\pm 5 \times 10^{-9}$, 0 to $\pm 50^{\circ}$ C (Ref. $\pm 25^{\circ}$ C) Harmonics $\leq -25 \text{ dBc}$ Sub-Harmonics $\leq -60 \text{ dBc}$ PLL Reference Products $\leq -60 \text{ dBc}$ Spurious $\leq -80 \text{ dBc}$, excluding power supply line related spurs Phase Lock Alarm TTL Locked: $\pm 3.5 \text{ VDC}$ to $\pm 5.2 \text{ VDC}$ (Hi) Out-of-Lock: $\pm 0.8 \text{ VDC}$ 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
Packaging		-	07-23-13	Initial Release	e		PAC	
Nickel-plated machined								
aluminum housing – J3PMX								
Mounting								
-								
Threaded inserts on base,								
#2-56, 11 places				J3PMX I	MXO Connections			
POWER REQUIREMENTS				Connector	Function	_		
Warm-Up Power				1	Supply Voltage	-		
≤ 24 Watts for 5 minutes				2 4	Ground, Case RF Output B			
Total Power				5	Phase Lock Voltage			
≤ 17 Watts at +25°C				6 8	Phase Lock Alarm RF Output A			
Supply Voltage]		
+15 VDC ±5%	1.00 —							
ADJUSTMENT	0.75	000		00	1 🖸		9.9	
Mechanical Tuning (Internal 10 MHz)	0.44 —	8	9	5 6			0 <u>-0</u> 4	
$\pm 1 \times 10^{-6}$	v. m -			2	~ ~			
Loop BW (Internal 70 MHz PLL)	0 —							
Target Bandwidth: ~250 Hz	0	0.65		2.79 -	3.55 -		6.92 -	7.46 -
Type 2 Loop		ŝ					ě	~
CRYSTAL	4.00 —		1	<u>_</u>	<u>A</u>			
Туре	3.915	*		0		\odot		8
70 MHz SC-cut (x100)			readed Inserts, #2-56,					
OTHER		<u> </u>	places, 0.190" deep					
Label								
Use conventional label with the								
following information:	2.000 —	ว						0
501-25795 (Current Rev.)	1.750 —	_		()			
10M/7G MXO-PLMX								
+15 VDC								
Serial # - Date Code								
(Mark connectors with function)								
Test Data	0.085		— Mechanical tuning	access				
- Output Level	0.005	\sim		<u>0</u>	1			
- Phase Noise	0	5.5		- 55	र १	5		88 -
 Temperature Stability 		0.085 -		2.265	c/c.c	5.435		7.380
- Harmonics, Subs, Products, Spurs								
 Power – Warm-up and Total 								
				wenzel	Associate	es, Inc.		
	Austin, Texas							
	10 MHz & 7 GHz							
	Multiplied Crystal Oscillator (MXO-PLMX)							
	P/N: Rev: Date: Drawn: Ref							
		50	1-25795	-	07-23-13			
		Tolerances:		0.XX Dec:	0.XXX Dec:	FSCM:		
		(except as r Dimensions	noted) are in inches	±0.030"	±0.010"	62821	Page 1 c	f 1
				_0.000	_0.010			