OUTPUT	s								
	Frequency	Level (into 50Ω)							
А	10 MHz	+13 ±2 dBm							
В	10 GHz	+13 ±2 dBm							
STABILI	ΓY								
Aging	-								
	⁻⁷ first year								
after 30 days operating, typical 5 x 10 ⁻⁸ second year, typical									
		reafter, typical							
Phase Noise L(f), dBc/Hz, typical 10 MHz 10 GHz									
10 Hz	-140	-77							
100 Hz	-160	-95							
300 Hz	-165	-99							
1 kHz	-172	-112							
10 kHz 100 kHz	-174 -175	-129 -132							
100 1112	110	102							
≤ -60 c Spurious ≤ -80 c supply Phase Lo TTL Locke Out-of Phase Lo	monics dBc rence Produce dBc dBc, excluding dine related sp ock Alarm d: +3.5 VDC to -Lock: +0.8 VI ock Voltage M e monitor pin lICAL ons 4 x 1"	power purs o +5.2 VDC (Hi) DC max (Lo) lonitor							
RF Ou Power	tputs: SMA(f)	Feed Thru Terminals							

		REV	DATE		REVISION RECORD		DWN	AUTH
Packaging		-	08-07-13	Initial Release	9		PAC	
Nickel-plated machined								
aluminum housing – J3PMX								
Mounting								
Threaded inserts on base,								
#2-56, 11 places								
POWER REQUIREMENTS					MXO Connections			
Warm-Up Power				Connector	Function			
≤ 25 Watts for 5 minutes				1 2	Supply Voltage Ground, Case			
Total Power				4	RF Output B			
				6	Phase Lock Voltage Phase Lock Alarm			
≤ 18 Watts at +25°C Supply Voltage				8	RF Output A			
+15 VDC ±5%	1.00 — _F							
ADJUSTMENT	0.75 —	ØÕ)	$\bigcirc \bigcirc 6$	1 🖸		2	31
Mechanical Tuning (Internal 10 MHz)	0.44 —	8		56	2 🔘		e	4
$\pm 1 \times 10^{-6}$								
Loop BW (Internal 100 MHz PLL)	0 —L							
Target Bandwidth: ~300 Hz	0	0.65		2.49	3.55			6.92 7.46
Type 2 Loop							f	
CRYSTAL	4.00 —		1	<u># #</u>	Å	0	۲. ۲.	
Туре	3.915	*		0		Ø		×
100 MHz SC-cut (x100)		т	readed Inserts, #2-56	,				
OTHER			places, 0.190" deep	,				
Label								
Use conventional label with the								
following information:								
501-25504 (Current Rev.)	2.000 —	ଚ						0
10M/10GHz MXO-PLMX	1.750 —	_		(0			
+15 VDC								
Serial # - Date Code								
(Mark connectors with function)								
Test Data								
- Output Level	0.007	_ /	— Mechanical tunin	g access				
- Phase Noise	0.085 _	$ \land \land $			1			
- Temperature Stability					<u>ب</u>	<u>به</u>		 9 9
- Harmonics, Subs, Products, Spurs		0.085		2.265	3.375	5.435		7.380 7.46
- Power – Warm-up and Total								
- rower – wann-up and rotal								
				Nenzel	Associate	es. Inc		
					Austin, Texas	,		
		Title:			•			
				10 N	/IHz & 10 G	Hz		
	Multiplied Crystal Oscillator (MXO-PLMX)							
	P/N: Rev: Date: Drawn: Ref:							
			1-25505		08-07-13			
		Tolerances:		0.XX Dec:	0.XXX Dec:	FSCM:		
		(except as r		±0.030"	±0.010"	62821	Page 1 o	of 1
		Dimensions	are in inches	±0.030	±0.010	02021		