	OUTPUT	9		
		Frequency	Level (	into 50Ω
	A	10 MHz	•	±2 dBm
	В	100 MHz	+13 :	±2 dBm
	С	400 MHz	+13 :	±2 dBm
	STABILIT	ΓΥ		
	Aging	7		
		first year		
	after 3	0 days opera	ting, typical	
	5 x 10	<sup>-8</sup> second yea	ır, typical	
	2 x 10	<sup>-8</sup> per year the	ereafter, typ	ical
		oise L(f), dBo		
		10 MHz	100 MHz	400 MF
	10 Hz	-140	-120	-107
	100 Hz	-160	-138	-126
	300 Hz	-165	-144	-129
	1 kHz	-172	-157	-142
	10 kHz	-174	-174	-160
	100 kHz	-175	-176	-162
		ture Stability		
	±5 x 1	0 <sup>-9</sup> , 0 to +50°	C (Ref. +25	°C)
	Harmonie	cs		
	≤ -25 (	dBc		
	Sub-Harr	nonics		
	≤-60 c	dBc		
	PLL Refe	rence Produ	cts	
	≤-60 c	lBc		
i .	_			

supply line related spurs

**Phase Lock Voltage Monitor** 

RF Outputs: SMA(f)

**GND: Ground Turret** 

Voltage monitor pin supplied

Locked: +3.5 VDC to +5.2 VDC (Hi)

Power, Monitoring: Feed Thru Terminals

Out-of-Lock: +0.8 VDC max (Lo)

**Phase Lock Alarm** 

TTL

**MECHANICAL** 

**Dimensions** 5.56 x 4 x 1"

Connectors

OUTPUT	c			Dockooing
Output	ం Frequency	Lovol (	into 50Ω)	Packaging Nickel-plated machined
-		•	•	aluminum housing – J1PMX-01
Α	10 MHz	+13 :	±2 dBm	Mounting
В	100 MHz	+13 :	±2 dBm	Threaded inserts on base,
С	400 MHz	+13 :	±2 dBm	#2-56, 9 places POWER REQUIREMENTS
STABILIT	ΓΥ			Warm-Up Power
Aging				≤ 19 Watts for 5 minutes
1 x 10	<sup>-7</sup> first year			Total Power
	0 days opera	ting, typical		≤ 12 Watts at +25°C
	<sup>-8</sup> second yea			Supply Voltage
	<sup>-8</sup> per year th		ical	+15 VDC ±5%
	oise L(f), dB	• •		ADJUSTMENT
	10 MHz	100 MHz	400 MHz	Mechanical Tuning (Internal 10 MHz)
10 Hz	-140	-120	-107	±1 x 10 <sup>-6</sup>
100 Hz	-160	-138	-126	Loop BW (Internal 100 MHz PLL)
300 Hz	-165	-144	-129	Target Bandwidth: ~300 Hz
1 kHz	-172	-157	-142	Type 2 Loop
10 kHz	-174	-174	-160	CRYSTAL
100 kHz	-175	-176	-162	Type 100 MHz SC-cut (x4)
Tompora	ture Stability	,		OTHER
	0 <sup>-9</sup> , 0 to +50°		°C)	Label
Harmoni		C (Rei. +25	<b>C</b> )	Use conventional label with the
				following information:
≤ -25 dBc Sub-Harmonics				501-31592 (Current Rev.)
Sub-narmonics ≤-60 dBc				10M/100M/400M MXO-PLMX
PLL Reference Products				+15 VDC
≤-60 dBc				Serial # - Date Code
Spurious				(Mark connectors with function)
•	< -80 dBc excluding power  Test Data			
	CAGIGGIT	g power	- Output Level	

- Output Level
- Phase Noise
- Temperature Stability
- Harmonics, Subs, Products, Spurs
- Power Warm-up and Total

REV	DATE	REVISION RECORD	DWN	AUTH
•	04-05-18	Initial Release	CB	

J1PMX-01 MXO Connections		
Connector	Function	
1	Supply Voltage	
2	Ground, Case	
4	RF Output C	
5	Phase Lock Voltage	
6	Phase Lock Alarm	
8	RF Output A	
9	RF Output B	
	· · · · · · · · · · · · · · · · · · ·	



