Output	Frequency	Level (into 50Ω)				
Α	10 MHz	+13 ±2 dBm				
В	11.52 GHz	+13 ±2 dBm				
STABILI	ΓΥ					
Aging	7					
	⁻⁷ first year					
after 3	after 30 days operating, typical					
5 x 10	5 x 10 ⁻⁸ second year, typical					
2 x 10	⁻⁸ per year there	eafter, typical				
Phase No	Phase Noise L(f), dBc/Hz, typical					
	10 MHz 11.52 GHz					
10 Hz	•	-76				
100 Hz		-94				
300 Hz		-95				
1 kHz		108				
10 kHz 100 kHz		128				
100 KHZ	-1/5 -	130				
	ture Stability					
±5 x 10 ⁻⁹ , 0 to +50°C (Ref. +25°C)						
Harmonics						
_	≤ -25 dBc					
Sub-Harmonics						
≤ -60 dBc						
PLL Reference Products						
≤ -60 dBc						
Spurious						
	≤ -80 dBc, excluding power					
	/ line related spi ock Alarm	urs				
TTL						
Locke	d: +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						
DIIIIEIISIOIIS						

7.46 x 4 x 1"

RF Outputs: SMA(f)

GND: Ground Turret

Power, Monitoring: Feed Thru Terminals

Connectors

OUTPUTS

		_
Pac	1.00	
Pac	KAO	mo

Nickel-plated machined aluminum housing – J3PMX

Mounting

Threaded inserts on base, #2-56, 11 places

POWER REQUIREMENTS

Warm-Up Power

≤ 27 Watts for 5 minutes

Total Power

≤ 20 Watts at +25°C

Supply Voltage

+15 VDC ±5%

ADJUSTMENT

Mechanical Tuning (Internal 10 MHz)

±1 x 10⁻⁶

Loop BW (Internal 90 MHz PLL)

Target Bandwidth: ~250 Hz

Type 2 Loop

CRYSTAL

Type

10 MHz

90 MHz SC-cut (x128)

OTHER

Label

Use conventional label with the following information:

501-27084 (Current Rev.)

10M/11.52GHz MXO-PLMX

+15 VDC

Serial # - Date Code

(Mark connectors with function)

Test Data

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

REV	DATE	REVISION RECORD	DWN	AUTH
-	08-15-13	Initial Release	PAC	JR

J3PMX MXO Connections		
Connector	Function	
1	Supply Voltage	
2	Ground, Case	
4	RF Output B	
5	Phase Lock Voltage	
6	Phase Lock Alarm	
8	RF Output A	



