INPUT	
Frequency	
10 MHz	
Level	
	6 dB into 50 ohms
OUTPUT	3 42 11110 00 0111110
Frequency	
1.2 GHz	
Level	
+13 dBm ±	±2 dB into 50 ohms
STABILITY	
Aging (free-r	unning)
1 x 10 ⁻⁶ firs	st vear
after 30 da	ays operating, typical
5 x 10 ⁻⁷ se	ays operating, typical econd year, typical er year thereafter, typical
3 x 10 ⁻⁷ ne	er vear thereafter, typical
Phase Noise	L(f), (free-running)
100 Hz	
1 KHz	-133 dBc/Hz
10 KHz	
	-154 dBc/Hz
Temperature	Stability
±5 x 10 ⁻⁷ fı	ree-running from 0 to +50°C
(Ref. +25°	
Harmonics	-,
-25 dBc	
Sub-Harmon	ics
-60 dBc	
PLL Divider I	Products
-60 dBc	
Spurious	
	xcluding power
	related spurs
Phase Lock	Alarm
TTL	5.1/00 (5.0.1/00 (11)
	3.5 VDC to +5.2 VDC (Hi)
	ck: +0.8 VDC max (Lo)
	Voltage Monitor uning monitor pin supplied

MECHANICAL Dimensions 3.45 x 4.00 x 1"

3.43 X 4.00

Connectors

RF Input/Output: SMA(f)

Power, Monitoring: Feed Thru Terminals

GND: Ground Turret

Packaging

Nickel-plated machined aluminum housing – J1P

Mounting

Threaded inserts on base, #2-56, 6 places

POWER REQUIREMENTS

Warm-Up Power

≤ 11 Watts for 5 minutes

Total Power

≤ 7.5 Watts at +25°C

Supply Voltage

+15 VDC ±5%

ADJUSTMENT

Loop BW

Target Bandwidth: ≤ 10 Hz Type 2 Loop

CRYSTAL

Type

120 MHz SC-cut (x10)

OTHER

Label

Use conventional label with the following information:

501-25906 (Current Rev.)

1.2 GHz MXO-PLD

+15 VDC

Serial # - Date Code

(Mark connectors with function)

Test Data

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

REV	DATE	REVISION RECORD	DWN	AUTH
-	06-11-13	Initial Release	Liz	

J1P MXO Connections		
Connector	Function	
1	Supply Voltage	
2	Ground, Case	
4	RF Output	
5	Phase Lock Voltage	
6	Phase Lock Alarm	
7	External Reference Input	



