INPUT				
Frequency 10 MHz				
Level				
+7 dBm ±6 dB into 50 ohms OUTPUT				
Frequency				
1.92 GHz				
Level				
+13 dBm ±2 dB into 50 ohms				
STABILITY				
Aging (free-running)				
1 x 10 <sup>-6</sup> first year				
after 30 days operating, typical				
5 x 10 <sup>-7</sup> second year, typical				
5 x 10 second year, typical				
3 x 10 <sup>-7</sup> per year thereafter, typical				
Phase Noise L(f), typical, (free-running)				
100 Hz -94 dBc/Hz 1 KHz -123 dBc/Hz				
1 KHZ -123 UDU/HZ				
10 KHz -147 dBc/Hz 100 KHz -148 dBc/Hz				
Temperature Stability				
±5 x 10 <sup>-7</sup> free-running from 0 to +50°C				
(Ref. +25°C)				
Harmonics				
-25 dBc				
Sub-Harmonics				
-60 dBc				
PLL Divider Products				
-60 dBc				
Spurious				
-80 dBc, excluding power				
supply line related spurs				
Phase Lock Alarm				
TTL				
Locked: +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				
4.4 x 4 x 1"				

Connectors
RF Input/Output: SMA(f)
Power, Monitoring: Feed Thru Terminals
GND: Ground Turret
Packaging
Nickel-plated machined
aluminum housing – J2P
Mounting
Threaded inserts on base,
6 places, #2-56
POWER REQUIREMENTS
Warm-Up Power
≤ 13 Watts for 5 minutes
Total Power
≤ 10 Watts at +25°C
Supply Voltage
+15 VDC ±5%
ADJUSTMENT
Loop BW
Target Bandwidth: ≤ 10 Hz
Type 2 Loop
CRYSTAL
Туре
120 MHz SC-cut (x16)
OTHER
Label
Use conventional label with the
following information:
501-25468 (Current Rev.)
1.92 GHz MXO-PLD
+15 VDC
Serial # - Date Code (Mark connectors with function)
UNITED CONDUCTORS WITH TUNCTIONS

nci				
Use conventional label with the				
following information:				
501-25468 (Current Rev.)				
1.92 GHz MXO-PLD				
+15 VDC				
Serial # - Date Code				
(Mark connectors with function)				
st Data				

## Tes

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

REV	DATE	REVISION RECORD	DWN	AUTH
-	03-28-12	Initial Release	PAC	

J2P MXO Connections		
Connector	Function	
1 2 4 5 6 7	Supply Voltage Ground, Case RF Output Phase Lock Voltage Phase Lock Alarm External Reference Input	



