INDUT				
INPUT				
Frequency				
10 MHz				
Level				
+7 dBm ±6 dB into 50 ohms				
OUTPUT				
Frequency				
320 MHz				
Level				
+13 dBm ±2 dB into 50 ohms				
STABILITY				
Aging (free-running)				
1 x 10 ⁻⁶ first year				
after 30 days operating, typical				
5 x 10 ⁻⁷ second year, typical				
5 x 10 second year, typical				
3 x 10 ⁻⁷ per year thereafter, typical				
Phase Noise L(f), typical, (free-running)				
100 Hz -120 dBc/Hz				
1 KHz -147 dBc/Hz				
10 KHz -166 dBc/Hz				
100 KHz -169 dBc/Hz				
Temperature Stability				
±5 x 10 ⁻⁷ 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				
MECHANICAL				
Dimensions				
5.4 x 4 x 1"				
Connectors				
RF Input/Output: SMA(f)				
Power, Monitoring: Feed Thru Terminals				
GND: Ground Turret				
Packaging				
Nickel-plated machined				
aluminum housing – G2P				
Mounting				
Threaded inserts on base,				
#2-56, 6 places				

POWER REQUIREMENTS

≤ 8 Watts at +25°C

≤ 12 Watts for 5 minutes

Target Bandwidth: ≤ 10 Hz

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

Electrical tuning monitor pin supplied

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

Use conventional label with the

(Mark connectors with function)

Temperature Stability (free-running)

Harmonics, Subs, Products, Spurious

Phase Noise (free-running)

Power - Warm-up and Total

Phase Lock Voltage Monitor

80 MHz SC-cut (x4)

following information: 501-28718 (Current Rev.) 320 MHz GMXO-PLD

Serial # - Date Code

Warm-Up Power

Supply Voltage +15 VDC ±5% ADJUSTMENT Loop BW

Type 2 Loop
PHASE LOCK STATUS
Phase Lock Alarm

TTL

CRYSTAL Type

OTHER Label

+15 VDC

Output Level

Test Data

Total Power

REV	DATE	REVISION RECORD	DWN	AUTH
-	01-21-15	Initial Release	PAC	

G2P 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	





