INPUT				
Frequency				
10 MHz				
Level				
	dB into 50 ohms			
OUTPUT				
Frequency				
1 GHz				
Level				
	2 dB into 50 ohms			
STABILITY				
Aging (free-ru				
1 x 10 ⁻⁶ firs				
after 30 da	ys operating, typical			
5 x 10 ⁻⁷ sec	cond year, typical			
3 x 10 ⁻⁷ pe	r year thereafter, typical			
	L(f), typical, (free-running)			
10 Hz	-83 dBc/Hz			
100 Hz	-115 dBc/Hz			
1 kHz	-140 dBc/Hz			
10 kHz	-160 dBc/Hz			
100 kHz	-162 dBc/Hz			
1 MHz	-162 dBc/Hz			
10 MHz	-162 dBc/Hz			
Temperature Stability				
	ee-running from 0 to +50°C			
(Ref. +25°0	C)			
Harmonics				
-25 dBc				
Sub-Harmoni	cs			
-60 dBc				
PLL Divider F	Products			
-60 dBc				
Spurious				
-80 dBc, excluding power supply line related spurs				
	•			
MECHANICAL	L			
Dimensions 5.4 x 4 x 1"	,			
Connectors				
••••••	uitout: SMA(f)			
RF Input/Output: SMA(f) Power, Monitoring: Feed Thru Terminals				
GND: Grou				
3.15. 5100				

Threaded inserts on base,

≤ 16 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

100 MHz SC-cut (x10)

following information: 501-29167 (Current Rev.)

1 GHz GMXO-PLD

Serial # - Date Code

+15 VDC

Output Level

Test Data

≤ 12 Watts at +25°C

#2-56, 6 places **POWER REQUIREMENTS**

Warm-Up Power

Supply Voltage +15 VDC ±5%

ADJUSTMENT

Type 2 Loop

PHASE LOCK STATUS **Phase Lock Alarm**

Loop BW

TTL

CRYSTAL Type

OTHER

Label

Total Power

	REV	DATE	REVISION RECORD	DWN	AUTH
Packaging	-	06-24-15	Initial Release	PAC	
Nickel-plated machined					
aluminum housing – G2P					
Mounting					

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	





