INPUT				
Frequency				
10 MHz				
Level				
+13 dBm ±1 dB into 50 ohms				
OUTPUT				
Frequency				
1.4 GHz				
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				
3 x 10 ⁻⁷ per year thereafter, typical				
Phase Noise L(f), typical (free-running)				
10 Hz -72 dBc/Hz				
100 Hz -102 dBc/Hz				
1 kHz -129 dBc/Hz				
10 kHz -152 dBc/Hz				
100 kHz -154 dBc/Hz				
1 MHz -154 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 Reference Products				
-60 dBc				
Spurious				
-80 dBc, excluding power				
supply line related spurs				
MECHANICAL				
Dimensions				
6.36 x 4 x 1"				
Connectors				
RF Outputs: SMA(f)				
Power, ET: Feed Thru Terminals				
GND: Ground Turret				
Packaging				
Nickel-plated machined				
aluminum housing – G2PM				

Mounting	REV	DATE	REVISION RECORD	DWN	AUTH
	-	08-04-16	Initial Release	PAC	MG
Threaded inserts on base,					
#2-56, 6 places					
POWER REQUIREMENTS					
Warm-Up Power					

≤ 19 Watts for 5 minutes

Target Bandwidth: ~ 300 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

70 MHz SC-cut (x20)

following information: 501-30237 (Current Rev.)

1.4G GMXO-PLM

Serial # - Date Code

+15 VDC

Output Level

Test Data

≤ 15 Watts at +25°C

Total Power

Supply Voltage +15 VDC ±5% **ADJUSTMENT**

Type 2 Loop PHASE LOCK STATUS

Phase Lock Alarm

TTL

CRYSTAL

Type

OTHER Label

G2PM 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			





