INPUT			
Frequency			
10 MHz			
Level			
+13 dBm ±1 dB into 50 ohms			
OUTPUT			
Frequency			
1 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 -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			
±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			
Sits. Glodila Fairot			

Packaging

Mounting

Nickel-plated machined aluminum housing – G2PM

Threaded inserts on base,

≤ 19 Watts for 5 minutes

Target Bandwidth: ~ 300 Hz

Locked: +3.5 VDC to +5.2 VDC (Hi) Out-of-Lock: +0.8 VDC max (Lo)

Electrical tuning monitor pin supplied

≤ 15 Watts at +25°C

#2-56, 6 places
POWER REQUIREMENTS

Warm-Up Power

Supply Voltage +15 VDC ±5% ADJUSTMENT

Type 2 Loop

Phase Lock Alarm

TTL

CRYSTAL Type

OTHER Label

Test Data

PHASE LOCK STATUS

Phase Lock Voltage Monitor

100 MHz SC-cut (x10)

following information: 501-29168 (Current Rev.)

Serial # - Date Code

1G GMXO-PLM +15 VDC

Output Level

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

Total Power

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

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			



