INPUT
Frequency
10 MHz
Level
+13 dBm ±1 dB into 50 ohms
OUTPUT
Frequency
200 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
3 x 10 ⁻⁷ per year thereafter, typical
Phase Noise L(f), typical (free-running)
10 Hz -96 dBc/Hz
100 Hz -126 dBc/Hz
1 KHz -154 dBc/Hz
10 KHz -173 dBc/Hz
100 KHz -175 dBc/Hz
Temperature Stability
$\pm 5 \times 10^{-7}$ 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
5.4 x 4 x 1"
Connectors
RF Outputs: SMA(f)
Power, ET: Feed Thru Terminals
GND: Ground Turret
Packaging Nickel plated machined
Nickel-plated machined aluminum housing – G1PM
Mounting
Threaded inserts on base,
rilleaded inserts on base,

#2-56, 6 places

DOWED DECLUDENESS	REV	DATE	REVISION RECORD	DWN	AUTH
POWER REQUIREMENTS	i	01-21-15	Initial Release	PAC	
Warm-Up Power					
≤ 12.5 Watts for 5 minutes					
Total Power					

≤ 9 Watts at +25°C

Target Bandwidth: ~ 300 Hz

Phase Lock Voltage Monitor

100 MHz SC-cut (x2)

following information: 501-28716 (Current Rev.) 200M GMXO-PLM

Serial # - Date Code

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

Electrical tuning monitor pin supplied

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

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

Type 2 Loop PHASE LOCK STATUS Phase Lock Alarm

TTL

CRYSTAL Type

OTHER

+15 VDC

Output Level

Test Data

Label

G1PM 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			





