INPUT						
	Frequency 10 MHz					
Level						
_	+7 dBm ±6 dB into 50 ohms					
OUTPUT	-	Laval (into 500)				
-	Frequency	` '				
А	128 MHz	+16 ±2 dBm				
В	1.28 GHz	+13 ±2 dBm				
STABILI						
	ee-running)					
	1 x 10 ⁻⁶ first year					
	after 30 days operating, typical 5 x 10 ⁻⁷ second year, typical					
	3 x 10 second year, typical					
	, ,	Hz, typical, (free-running				
		1.28 GHz				
10 Hz	-100	-78				
100 Hz	-130	-108				
1 kHz	-157	-135				
10 kHz	-179	-157				
100 kHz	-188	-158				
1 MHz	-188	-160				
Tempera	Temperature Stability					
	±5 x 10 ⁻⁷ free-running from 0 to +50°C					
`	(Ref. +25°C) Harmonics					
-25 dE						
Sub-Har	Sub-Harmonics					
0.0	-60 dBc					
	PLL Divider Products					
	-60 dBc Spurious					
-80 dE	-80 dBc, excluding power					
	y line related sp	ours				
MECHANICAL Dimensions						
	5.4 x 4 x 1"					
J X						

Connectors

RF Outputs: SMA(f)

GND: Ground Turret

Power, ET: Feed Thru Terminals

Packaging Nickel-plated machined aluminum housing – G2P-03 Mounting Threaded inserts on base, #2-56, 6 places POWER REQUIREMENTS Warm-Up Power ≤ 17 Watts for 5 minutes Total Power ≤ 13 Watts at +25°C Supply Voltage +15 VDC ±5% ADJUSTMENT Target Bandwidth: ≤ 10 Hz Type 2 Loop PHASE LOCK STATUS Phase Lock Alarm TTL Locked: +3.5 VDC to +5.2 VDC (Hi) Out-of-Lock: +0.8 VDC max (Lo) Phase Lock Voltage Monitor Electrical tuning monitor pin supplied CRYSTAL Type	F
Туре	
Туре	
OTHER	
Label	
Use conventional label with the	
501-30294 (Current Rev.)	
	Nickel-plated machined aluminum housing – G2P-03 Mounting Threaded inserts on base, #2-56, 6 places POWER REQUIREMENTS Warm-Up Power ≤ 17 Watts for 5 minutes Total Power ≤ 13 Watts at +25°C Supply Voltage +15 VDC ±5% ADJUSTMENT Target Bandwidth: ≤ 10 Hz Type 2 Loop PHASE LOCK STATUS Phase Lock Alarm TTL Locked: +3.5 VDC to +5.2 VDC (Hi) Out-of-Lock: +0.8 VDC max (Lo) Phase Lock Voltage Monitor Electrical tuning monitor pin supplied CRYSTAL Type 128 MHz SC-cut (x10) OTHER Label Use conventional label with the following information:

128M/1.28G GMXO-PLD

(Mark connectors with function)

Temperature Stability (free-running)

Harmonics, Subs, Products, Spurious

Phase Noise (free-running)

Power – Warm-up and Total

Serial # - Date Code

+15 VDC

Output Level

Test Data

REV	DATE	REVISION RECORD	DWN	AUTH
1	08-24-16	Initial Release	PAC	MG

G2P-03 MXO Connections		
Connector	Function	
1	Supply Voltage	
2	Ground, Case	
4	RF Output B	
5	Phase Lock Voltage	
6	Phase Lock Alarm	
7	External Reference Input	
8	RF Output A	





