INPUT Frequency					
10 MH Level	Z				
	m ±6 dB into 50 o	hms			
OUTPUT					
Output	Frequency	· · ·			
Α	100 MHz	+16 ±2 dBm			
В	2 GHz	+13 ±2 dBm			
STABILI					
Aging (fr	ree-running)				
1 X 10	1 x 10 ⁻⁶ first year after 30 days operating, typical				
	o days operation of the second year,				
5 X 10	second year,	typicai			
Dhaco M	o ⁻⁷ per year there	eaner, typical Iz, typical, (free-running)			
Filase N	100 MHz	2 GHz			
10 Hz	-105	-76			
100 Hz		-107			
1 kHz	-162	-133			
10 kHz	-183	-154			
100 kHz	-188	-157			
	Temperature Stability				
±5 x 10 ⁻⁷ free-running from 0 to +50°C					
(Ref. +25°C)					
	Harmonics -25 dBc				
Sub-Harmonics					
-60 dBc					
PLL Divider Products					
-60 dBc					
Spurious -80 dBc, excluding power					
supply line related spurs					
MECHANICAL					
Dimensions					
5.4 x 4 x 1"					
Connectors DE Outpute: SMA(f)					
RF Outputs: SMA(f) Power, ET: Feed Thru Terminals					
GND: Ground Turret					
Packaging					
	l-plated machine				
alumir	aluminum housing – G2P-03				

Mounting

Threaded inserts on base,

≤ 18.5 Watts for 5 minutes

Target Bandwidth: ≤ 30 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 (x20)

following information: 501-30245 (Current Rev.)

100M/2G GMXO-PLD

Serial # - Date Code

≤ 14.5 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

TTL

CRYSTAL Type

OTHER Label

+15 VDC

Output Level

Test Data

Total Power

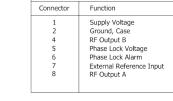
REV	DATE	REVISION RECORD	DWN	AUTH
-	08-09-16	Initial Release	СВ	
		·		

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	

M

1 2

M



1.00

2X 0.82

2X 0.50

3X 0.26

0.00

5 0 0 6

Q

