INPUT Frequency 10 MHz Level +7 dBm ±6 dB into 50 ohms

RF Output	Frequency	Output Level (into 50 ohms)			
Α	80 MHz	+13 dBm ±2 dB			
В	320 MHz	+13 dBm ±2 dB			
С	640 MHz	+13 dBm ±2 dB			

STABILITY Aging (free-running)

OUTPUT A

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), dBc/Hz, typical, (free-running)

-	80 MHz	320 MHz	640 MHz
10 Hz	-102	-89	-82
100 Hz	-132	-119	-112
1 kHz	-158	-144	-137
10 kHz	-175	-161	-154
100 kHz	-176	-162	-155

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

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

Voltage monitor pin supplied

MECHANICAL

Dimensions

4.4 x 4 x 1"

Connectors

RF Input/Outputs: SMA(f)
Power, Monitoring: Feed Thru

Terminals

GND: Ground Turret

Packaging

Nickel-plated machined aluminum housing – J2P-023

Mounting

Threaded inserts on base, #2-56, 6 places

POWER REQUIREMENTS

Warm-Up Power

≤ 12 Watts for 5 minutes

Total Power

≤ 9 Watts at +25°C

Supply Voltage

+15 VDC ±5%

ADJUSTMENT

Loop BW

Target Bandwidth: ≤ 10 Hz

Type 2 Loop CRYSTAL

Type

80 MHz SC-cut (x8)

OTHER

Label

Use conventional label with the following information: 501-30919 (Current Rev.)

80/320/640MHz MXO-PLD

+15 VDC

Serial # - Date Code

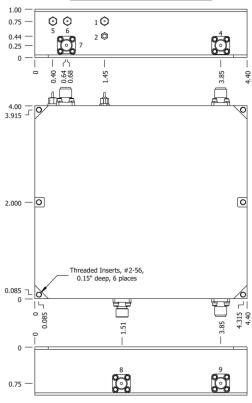
(Mark connectors with function)

Test Data

- Output Level
- Phase Noise free-running
- Temperature Stability free-running
- Harmonics, Subs, Products, Spurious Title:
- Power Warm-up and Total

	REV	DATE	REVISION RECORD	DWN	AUTH
ı	-	05-23-17	Initial Release	PAC	
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J2P-023 MXO Connections				
Connector Function				
1 Supply Voltage				
2	Ground, Case			
4	RF Output C			
5	Phase Lock Voltage			
6	Phase Lock Alarm			
7 External Reference Input				
8 RF Output A				
9	RF Output B			





80M/320M/640M Multiplied Crystal Oscillator (MXO-PLD)

501-30919		Rev. ■	L	05-23-17		Diawii.		Kei.
Tolerances: (except as noted) Dimensions are in inches	0.XX Dec: ±0.030"		,	0.XXX Dec: ±0.010"	F	ъсм: 62821	Page	e 1 of 1