INPUT					
Frequenc	• • • • • • • • • • • • • • • • • • • •				
10 MH					
Level	۷.				
	3m ±1 dB into 5	50 ohmo			
OUTPUTS	oni ±i ub inio :	oo onins			
	Frequency	Level (into 50Ω)			
_		•			
Α	80 MHz	+13 ±2 dBm			
В	720 MHz	+13 ±2 dBm			
STABILIT	Y				
Aging (fre	ee-running)				
	⁶ first year				
	0 days operatir	na typical			
5 X 10	⁷ second year,	турісаі			
	⁷ per year ther				
Phase No		z, typical (free-running)			
	80 MHz 7				
10 Hz	-105	-84			
100 Hz	-135	-114			
1 kHz	-160	-139			
10 kHz	-175	-154			
100 kHz	-176	-155			
Tomporat	ure Stability (f	roo rupping)			
) ⁻⁷ , 0 to +50°C (Ref. +25°C)			
Harmonic	-				
≤ -25 d					
Sub-Harm					
≤ -60 d	-				
	PLL Reference Products ≤ -60 dBc				
Spurious	IDC .				
	IRc evoluding no	NWAr			
	≤ -80 dBc, excluding power supply line related spurs				
	Phase Lock Alarm				
TTL					
	+3.5 VDC to +	5.2 VDC (Hi)			
Out-of-Lock: +0.8 VDC max (Lo)					
Phase Lock Voltage Monitor					
Voltage	monitor pin sup	plied			
MECHANI	CAL				
Dimensio	ns				
5.36 x 4	4 x 1"				
Connectors					
RF Input/Outputs: SMA(f)					
		d Thru Terminals			
GND: G	round Turret				

Packaging

Nickel-plated machined aluminum housing – J2PM-03

Mounting

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

POWER REQUIREMENTS Warm-Up Power

≤ 15 Watts for 5 minutes

Total Power

≤ 12 Watts at +25°C

Supply Voltage

+15 VDC ±5%

ADJUSTMENT

Loop BW (Internal 80 MHz PLL) Target Bandwidth: ~300 Hz

Type 2 Loop

CRYSTAL

Type

80 MHz SC-cut (x9)

ENVIRONMENT

Operating Temperature

0 to +50°C

Storage Temperature

-50 to +85°C

OTHER

Label

Use conventional label with the following information: 501-30391 (Current Rev.) 80M/720M MXO-PLM +15 VDC Serial # - Date Code (Mark connectors with function)

Test Data

- Output Level
- Phase Noise
- Temperature Stability
- Harmonics, Subs, Products, Spurs
- Power Warm-up and Total

REV	DATE	REVISION RECORD	DWN	AUTH
-	10-06-16	Initial Release	PAC	

J2PM-13 MXO Connections		
Connector	Function	
1 2 4 5 6 7 8	Supply Voltage Ground, Case RF Output B Phase Lock Voltage Phase Lock Alarm External Reference Input RF Output A	



