INPUT
Frequency
10 MHz
Level
+13 dBm ±1 dB into 50 ohms
OUTPUT
Frequency
5 GHz
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)
100 Hz -93 dBc/Hz
1 KHz -120 dBc/Hz 10 KHz -137 dBc/Hz 100 KHz -138 dBc/Hz
100 KHz -138 dBc/Hz
Temperature Stability
±5 x 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
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
5.36 x 4 x 1"

Connectors RF Input/Output: SMA(f) Power, Monitoring: Feed Thru Terminals

Tolerances:

(except as noted)

Dimensions are in inches

GND: Ground Turret

6 places, #2-56
POWER REQUIREMENTS

Warm-Up Power

Supply Voltage

ADJUSTMENT Loop BW

CRYSTAL Type

OTHER Label

+15 VDC ±5%

Type 2 Loop

Total Power

Nickel-plated machined aluminum housing – J2PM

Threaded inserts on base.

≤ 17 Watts for 5 minutes

Target Bandwidth: ~200 Hz

Use conventional label with the

(Mark connectors with function)

- Phase Noise - free-running

- Power - Warm-up and Total

- Harmonics, Subs, Products, Spurious

≤ 13.5 Watts at +25°C

100 MHz SC-cut (x50)

following information: 501-25765 (Current Rev.)

5 GHz MXO-PLM

- Output Level

Serial # - Date Code

+15 VDC

Test Data

Packaging

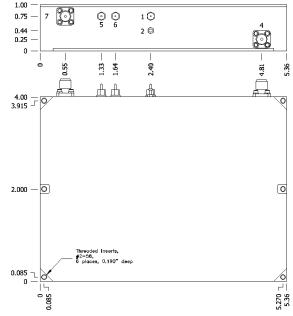
Mounting

J2PM	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

DWN

PAC

AUTH



0.085	Threadec \$2 −56, 6 places	I Inserts, , 0.199" deep		5.270 T 5.36 —		
Wenzel Associates, Inc.						
Title: 5 GHz Mult	iplied	Crystal Osc	cillator (I	MXO-PLM)		
P/N: 501-25765	Rev:	Date: 04-12-12	Drawn:	Ref:		

0.XXX Dec:

±0.010"

FSCM:

62821

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0.XX Dec:

 ± 0.030 "