		REV	DATE	REVISION RECORD	DWN	AUTH
INPUT	Connectors	-	03-28-12	Initial Release	PAC	
Frequency	RF Input/Output: SMA(f)					
10 MHz	Power, Monitoring: Feed Thru Terminals					
Level	GND: Ground Turret				_	
$+7 \text{ dBm} \pm 6 \text{ dB}$ into 50 ohms	Packaging					
OUTPUT	Nickel-plated machined			J1P MXO Connections		
Frequency	aluminum housing – J1P					
400 MHz	Mounting					
	Threaded inserts on base,			1 Supply Voltage 2 Ground, Case		
	6 places, #2-56			4 RF Output		
+13 dBm ±2 dB into 50 ohms STABILITY	POWER REQUIREMENTS			5 Phase Lock Voltage 6 Phase Lock Alarm		
-	Warm-Up Power			7 External Reference Input		
Aging (free-running)	≤ 10 Watts for 5 minutes					
1 x 10 ⁻⁶ first year	Total Power		1.00 —			
after 30 days operating, typical			0.75 —	ତ୍ତୁ 10 🔀		
5 x 10 ⁻⁷ second year, typical	≤ 7 Watts at +25°C		0.44 —			
3 x 10 ⁻⁷ per year thereafter, typical	Supply Voltage +15 VDC ±5%		0.44	7000		
Phase Noise L(f), typical, (free-running)	ADJUSTMENT		0 —			
100 Hz -117 dBc/Hz				2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		
1 KHz -144 dBc/Hz	Loop BW			0.40 0.64 0.68 1.45 1.45 2.90		
10 KHz -160 dBc/Hz	Target Bandwidth: ≤ 10 Hz					
100 KHz -161 dBc/Hz			4.00 — 3.915 ∽			
Temperature Stability	CRYSTAL		3.915 -			
$\pm 5 \times 10^{-7}$ free-running from 0 to $\pm 50^{\circ}$ C	Type					
(Ref. +25°C)	100 MHz SC-cut (x4)					
Harmonics	OTHER					
-25 dBc	Label					
Sub-Harmonics	Use conventional label with the					
-60 dBc	following information:		2.000 —	0 0		
PLL Divider Products	501-25386 (Current Rev.)					
-60 dBc	400 MHz MXO-PLD					
	+15 VDC					
Spurious	Serial # - Date Code					
-80 dBc, excluding power supply line related spurs	(Mark connectors with function)			Threaded Inserts, #2-56,		
Phase Lock Alarm	Test Data			6 places, 0.190" deep		
TTL	- Output Level		0.085	× 6		
Locked: +3.5 VDC to +5.2 VDC (Hi)	- Phase Noise – free-running		0 —	<u>در زیار کار کار کار کار کار کار کار کار کار ک</u>		
	- Harmonics, Subs, Products, Spurious		c	085 360 350		
Out-of-Lock: +0.8 VDC max (Lo) Phase Lock Voltage Monitor	- Power – Warm-up and Total			o		
Voltage monitor pin supplied				Wenzel Associates, Ind	~	
MECHANICAL		1		Austin. Texas		
Dimensions		Title:				
3.45 x 4 x 1"		400) MHz M	ultiplied Crystal Oscillato	· (MXO-I	PLD)
0.40 / 4 / 1		P/N:		Rev: Date: Drawn:	•	₽ ef:
)1-25386			
		Tolerances (except as	noted)	0.XX Dec: 0.XXX Dec: FSCM:	Page 1	of 1
		Dimension	s are in inches	±0.030" ±0.010" 6282	Page 1	
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