		REV	DATE	REVISION RECORD	DWN	AUTH
INPUT		-	03-14-18	Initial Release	CB	1
	Connectors					
10 MHz	Connectors					
	RF Input/Output: SMA(f)					
+13 dBm ±1 dB into 50 ohms	Power, Monitoring: Feed Thru Terminals					
OUTPUT	GND: Ground Turret			J1PM MXO Connections		
Frequency	Packaging			Connector Function		
360 MHz	Nickel-plated machined			1 Supply Voltage		
Level	aluminum housing – J1PM			2 Ground, Case		
+17 dBm ±2 dB into 50 ohms	Mounting			4 RF Output 5 Phase Lock Voltage		
STABILITY	Threaded inserts on base,			6 Phase Lock Alarm 7 External Reference Input		
Aging (free-running)	6 places, #2-56			/ External Reference input		
1 x 10 ⁻⁶ first year	POWER REQUIREMENTS					
after 30 days operating, typical	Warm-Up Power		1.00 -		7	
5×10^{-7} second year, typical	≤ 14 Watts for 5 minutes	(0.75 — 7			
3×10^{-7} per year thereafter, typical	Total Power	(0.44 —	2 🔘 4		
	≤ 10.5 Watts at +25°C		0			
Phase Noise L(f), typical, (free-running)	Supply Voltage					
10 Hz -82 dBc/Hz	+15 VDC ±5%		0 0.55	1.33 1.64 2.40 2.40 3.85	4.40	
100 Hz -112 dBc/Hz	ADJUSTMENT					
1 KHz -141 dBc/Hz	Loop BW	4	4.00 - O	<u>а дд д д</u>	0	
10 KHz -161 dBc/Hz	Target Bandwidth: ~300 Hz	3.	4.00 — 915 <i>-</i> 9		2	
100 KHz -162 dBc/Hz	Type 2 Loop					
1 MHz -162 dBc/Hz	CRYSTAL					
Temperature Stability	Туре					
$\pm 5 \times 10^{-7}$ free-running from 0 to +50°C	90 MHz SC-cut (x4)					
(Ref. +25°C)	OTHER					
Harmonics	Label	2	000 - 0	١	0	
-25 dBc	Use conventional label with the	2.		l	-	
Sub-Harmonics	following information:					
-60 dBc	501-31526 (Current Rev.)					
PLL Reference Products	360 MHz MXO-PLM					
-60 dBc	+15 VDC			Threaded Incents #2.56		
Spurious	Serial # - Date Code			Threaded Inserts, #2-56 6 places, 0.150" deep		
-80 dBc, excluding power	(Mark connectors with function)	0.	085 -		6	
supply line related spurs	Test Data					
Phase Lock Alarm	- Output Level		0.085	2	4.40	
TTL	- Phase Noise – free-running		0.1		. 1	
Locked: +3.5 VDC to +5.2 VDC (Hi)	- Harmonics, Subs, Products, Spurious					
Out-of-Lock: +0.8 VDC max (Lo)	- Power – Warm-up and Total		۱ ۱	Wenzel Associates, Inc		
Phase Lock Voltage Monitor				Austin, Texas		
Voltage monitor pin supplied		Title:				
MECHANICAL		360) MHZ MI	ultiplied Crystal Oscillator	(MXO-	PLM)
Dimensions		P/N:		Rev: Date: Drawn:	Ref:	
4.40 x 4 x 1"		50	1-31526	- 03-14-18		
		Tolerances		0.XX Dec: 0.XXX Dec: FSCM:		
		(except as		±0.030" ±0.010" 62821	Page 1	of 2
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