			DATE	REVISION RECORD			DWN	AUTH
INPUT	Connectors	-	10-21-15	Initial Release	9		CB	
Frequency	RF Input/Output: SMA(f)							
10 MHz	Power, Monitoring: Feed Thru Terminals							
	GND: Ground Turret							
Level								
+7 dBm ±6 dB into 50 ohms	Packaging							
OUTPUT	Nickel-plated machined							
Frequency	aluminum housing – J1P							
240 MHz	Mounting				J1P MXO Connectior	IS		
Level	Threaded inserts on base,			Connec				
+13 dBm \pm 2 dB into 50 ohms	6 places, #2-56			1	Supply Voltage			
STABILITY	POWER REQUIREMENTS			2	Ground, Case RF Output			
Aging (free-running)	Warm-Up Power			5	Phase Lock Volta			
1 x 10 ⁻⁶ first year	≤ 9 Watts for 5 minutes			6 7	Phase Lock Alan External Referen			
after 30 days operating, typical	Total Power							
5×10^{-7} second year, typical	≤ 6 Watts at +25°C		1	.00 —				
	Supply Voltage			75 — O O	1 🛈	<u>C</u>		
3×10^{-7} per year thereafter, typical	+15 VDC ±5%		0.	44 - 5 6	2 (0)	4		
Phase Noise L(f), typical, (free-running)	ADJUSTMENT			44 — 25 — 7 💭				
100 Hz -116 dBc/Hz	Loop BW			0				
1 KHz -145 dBc/Hz	Target Bandwidth: ≤ 10 Hz			0.64 0.64 0.68	1.45	2.90		
10 KHz -167 dBc/Hz	Type 2 Loop			тП	Д			
100 KHz -168 dBc/Hz	CRYSTAL		4.		Â			
Temperature Stability	Туре		3.9	015 -				
±5 x 10 ⁻⁷ free-running from 0 to +50°C	120 MHz SC-cut (x2)							
(Ref. +25°C)	OTHER							
Harmonics	Label							
-25 dBc								
Sub-Harmonics	Use conventional label with the			L				
-70 dBc	following information:		2.0	00 - 0		0		
PLL Divider Products	501-29491 (Current Rev.)							
	240 MHz MXO-PLD							
-70 dBc	+15 VDC							
Spurious	Serial # - Date Code				readed Inserts, #2-56, places, 0.190" deep			
-80 dBc, excluding power	(Mark connectors with function)			- "	blaces, 0.190 deep			
supply line related spurs	Test Data		0.0	85 - 🛛				
Phase Lock Alarm	- Output Level			۳ ۲		_ 20		
TTL	- Phase Noise – free-running			0.085		3.360		
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 							
Phase Lock Voltage Monitor		I		A/ 1	A!-+			
Voltage monitor pin supplied		Wenzel Associates, Inc.						
MECHANICAL		Austin, Texas Title:						
Dimensions				ultiplied	Crivetal Ca	aillatar (ים וכ
3.45 x 4 x 1"		240		unplied	Crystal Os	cillator (
		P/N:						
		501	I-29491	-	10-21-15			
		Tolerances		0.XX Dec:	0.XXX Dec:	FSCM:		
		(except as i Dimensions	noted) are in inches	±0.030"	±0.010"	62821	Page 1	of 1