		REV	DATE	REVISION RECORD			DWN	AUTH
INPUT	MECHANICAL	-	01-27-14 Initial Release			PAC		
Frequency	Dimensions							
10 MHz	6.31 x 4 x 1"							
Level	Connectors							
+13 dBm ±1 dB into 50 ohms	RF Input/Output: SMA(f)							
	Power, Monitoring: Feed Thru Terminals			J3PM-05 MXO Conne	ections			
RF Output Frequency (into 50 ohmo)	GND: Ground Turret		Co	nnector Function				
(into 50 ohms)	Packaging			1 Supply Volta 2 Ground, Case				
A 100 MHz +13 dBm ±2 dB	Nickel-plated machined			4 RF Output B 5 Phase Lock V	oltage			
	aluminum housing – J3PM-05			6 Phase Lock A 7 External Refe				
B 10 GHz +13 dBm ±2 dB	Mounting			8 RF Output A				
STABILITY	Threaded inserts on base,			•				
Aging (free-running)	6 places, #2-56	7000	0 0 0	1 🛈		Ç		
1 x 10 ⁻⁶ first year	POWER REQUIREMENTS	-	56	2 🔘		4		
after 30 days operating, typical	Warm-Up Power							
5 x 10 ⁻⁷ second year, typical	\leq 20 Watts for 5 minutes	0 v	θ 4	0		1 0		
3×10^{-7} per year thereafter, typical	Total Power	0.5	1.33	2.40]] 5.76 6.31		<u> </u>
	≤ 16.5 Watts at +25°C		д	h			_	
Phase Noise L(f), typical, (free-running)	Supply Voltage 3.915	9				<u> </u>	Ľ	
100 MHz 10 GHz	+15 VDC ±5%						ĺ	
100 Hz -130 -87	ADJUSTMENT						P	
1 kHz -158 -113	Loop BW							
10 kHz -175 -131	Target Bandwidth: ~200 Hz						í	
100 kHz -175 -131	Type 2 Loop					_		
100 KHZ -176 -132	CRYSTAL	-0				0	h	
Tomporature Stability	Туре							
Temperature Stability	100 MHz SC-cut (x100)						P	
±5 x 10 ⁻⁷ free-running from 0 to +50°C	OTHER						P	
(Ref. +25°C)	Label	6	readed Inserts, #2-56, places, 0.190" deep					
Harmonics	Use conventional label with the					6	ار ا	
-25 dBc	following information:	- IS				 	L	- ਦੂ ਦੂ
Sub-Harmonics	501-25493 (Current Rev.)	085		L		6.225		
-60 dBc	100M/10G MXO-PLM	0		- 5.4		Ū.		
PLL Reference Products		- <u> </u>		1				
-60 dBc	Serial # - Date Code	-		8				
Spurious	(Mark connectors with function)	-						
-80 dBc, excluding power	Test Data			<u>v-v</u>				
supply line related spurs	- Output Level							
Phase Lock Alarm	- Phase Noise – free-running	Wenzel Associates, Inc.						
TTL	- Harmonics, Subs, Products, Spurious	Austin, Texas						
Locked: +3.5 VDC to +5.2 VDC (Hi)		Title:						
Out-of-Lock: +0.8 VDC max (Lo)	- Power – Warm-up and Total	100 MHz & 10 GHz						
Phase Lock Voltage Monitor		Multiplied Crystal Oscillator (MXO-PLM)						
Voltage monitor pin supplied		P/N: Rev: Date: Drawn: Ref:						
			1-25493		1-27-14			
				_		50014		
		Tolerances (except as	noted)	0.XX Dec:	0.XXX Dec:	FSCM:	Page 1 o	_f 1
		Dimension	s are in inches	±0.030"	±0.010"	62821	Faye I O	a 1