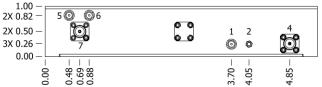
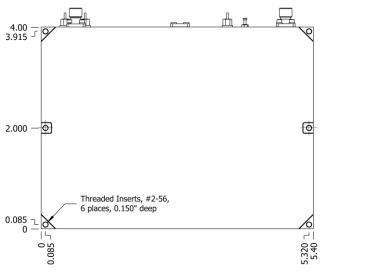
INPUT Frequency 10 MHz Level +7 dBm ±6 dB into 50 ohms OUTPUT Frequency 5.8 GHz Level +13 dBm ±2 dB into 50 ohms **STABILITY** Aging (free-running) 1 x 10⁻⁶ first year after 30 days operating, typical 5×10^{-7} second year, typical 3×10^{-7} per year thereafter, typical Phase Noise L(f), typical, (free-running) 10 Hz -66 dBc/Hz 100 Hz -96 dBc/Hz 1 kHz -123 dBc/Hz 10 kHz -143 dBc/Hz 100 kHz -148 dBc/Hz 1 MHz -148 dBc/Hz **Temperature Stability** $\pm 5 \times 10^{-7}$ free-running from 0 to $\pm 50^{\circ}$ C (Ref. +25°C) Harmonics -25 dBc **Sub-Harmonics** -60 dBc PLL Divider Products -60 dBc **Spurious** -80 dBc, excluding power supply line related spurs **MECHANICAL Dimensions** 5.4 x 4 x 1" Connectors RF Input/Output: SMA(f) Power, Monitoring: Feed Thru Terminals **GND:** Ground Turret Packaging Nickel-plated machined aluminum housing - G2P

Mounting Threaded inserts on base, #2-56, 6 places POWER REQUIREMENTS Warm-Up Power ≤ 19 Watts for 5 minutes **Total Power** ≤ 15 Watts at +25°C Supply Voltage +15 VDC ±5% ADJUSTMENT Loop BW Target Bandwidth: ≤ 10 Hz Type 2 Loop PHASE LOCK STATUS 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 Electrical tuning monitor pin supplied CRYSTAL Type 116 MHz SC-cut (x50) OTHER Label Use conventional label with the following information: 501-30493 (Current Rev.) 5.8 GHz GMXO-PLD +15 VDC Serial # - Date Code (Mark connectors with function) Test Data Output Level Phase Noise (free-running) Temperature Stability (free-running) Harmonics, Subs, Products, Spurious Power - Warm-up and Total

REV	DATE		RE	DWN	AUTH		
-	11-17-16	Initia	al Release	PAC			
А	05-17-17	10 k	Hz offset to		PAC	MG	
			G2P	MXO Connections]		
			Connector	Function			
			1 2 4 5 6 7	Supply Voltage Ground, Case RF Output Phase Lock Voltage Phase Lock Alarm External Reference Input			





Wenzel Associates, Inc.													
5.8 GHz Golden Multiplied Crystal Oscillator (GMXO-PLD)													
^{P/N:} 501-30493		Rev:		ate: 05-17-17		Drawn:		Ref:					
Tolerances: (except as noted) Dimensions are in inches		Dec:).030"		0.XXX Dec: ±0.010"	-	^{:scm:} 62821	Page	∍ 1 of 1					