OUTPUTS

 Output
 Frequency
 Level (into 50Ω)

 162.5 MHz
 +13 ±2 dBm

 STABILITY

Aging

1 x 10^{-6} first year after 30 days operating, typical 5 x 10^{-7} second year, typical 3 x 10^{-7} per year thereafter, typical

Phase Noise L(f), dBc/Hz, typical

162.5 MHz

10 Hz 100 Hz	-96 -126
1 kHz	-152
10 kHz	-171
100 kHz	-172
1 MHz	-172

Temperature Stability

 $\pm 5 \times 10^{-7}$, 0 to $\pm 50^{\circ}$ C (Ref. $\pm 25^{\circ}$ C) **Harmonics** $\leq -25 \text{ dBc}$ **Sub-Harmonics** $\leq -60 \text{ dBc}$ **Spurious** $\leq -80 \text{ dBc}$, excluding power supply line related spurs **MECHANICAL Dimensions** $3.25 \times 4 \times 1^{\circ}$

Connectors

RF Outputs: SMA(f) Power, ET: Feed Thru Terminals GND: Ground Turret **Packaging** Nickel-plated machined

aluminum housing – G1

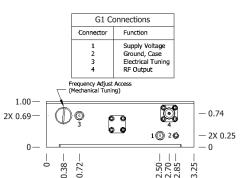
Mounting

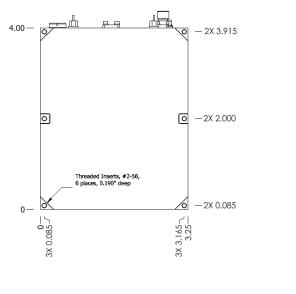
Threaded inserts on base, #2-56, 6 places

POWER REQUIREMENTS				
Warm-Up Power				
≤ 11.5 Watts for 5 minutes				
Total Power				
≤ 7.5 Watts at +25°C				
Supply Voltage				
+15 VDC ±5%				
ADJUSTMENT				
Mechanical Tuning				
$+4 \times 10^{-6}$				
Electrical Tuning				
±5 x 10 ⁻⁷ , ±5 VDC				
Negative Slope				
CRYSTAL				
Туре				
81.25 MHz SC-cut (x2)				
OTHER				
Label				
Use conventional label with the				
following information:				
501-31559 (Current Rev.)				
162.5M GMXO-FR				
+15 VDC				
Serial # - Date Code				
(Mark connectors with function)				
Test Data				
- Output Level				

- Output Level
- Phase Noise
- Temperature Stability
- Harmonics, Subs, Spurious
- Power Warm-up and Total

REV	DATE	REVISION RECORD	DWN	AUTH
-	03-22-18	Initial Release	CB	





Wenzel Associates, Inc.							
Title: 162.5 MHz Golden Multiplied Crystal Oscillator (GMXO-FR)							
^{P/N:} 501-31559		Rev:	Date: 03-22-18	Drawn:	Ref:		
Tolerances: (except as noted) Dimensions are in inches		Dec: 0.030"	0.XXX Dec: ±0.010"	FSCM: 62821	Page 1 of 1		