INPUT Frequency 10 MHz, ±2 x 10⁻⁷ Level -4 to +9 dBm into 50 Ohms OUTPUT Frequency 10 MHz Level +13 dBm ±2 dB into 50 ohms **STABILITY Output Phase Noise L(f)** Free-Running 10 Hz -132 dBc/Hz 100 Hz -155 dBc/Hz -172 dBc/Hz 1 kHz 10 kHz -174 dBc/Hz Aging ±1 x 10⁻⁷ per year after 30 days operating, typical **Temperature Stability** ±1 x 10⁻⁸ free-running from 0 to +50°C, (Ref. +25°C) **Harmonics** -30 dBc **Sub-Harmonics** -50 dBc **PLL Divider Products** -50 dBc **Non-Harmonic Spurious** -70 dBc 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** Voltage monitor pin supplied **MECHANICAL** Dimensions 2.5 x 3.5 x .8" **Connectors** SMA's and solder pins on side Feed-thru terminals for lock alarm.

supply and phase lock voltage

monitor

through holes, 4 places

POWER REQUIREMENTS

Supply Voltage

+15 VDC

at +25° C

ADJUSTMENT

of input CRYSTAL

SC-cut

Total Power

Loop BW

Type

Warm-Up Power

Threaded inserts on base, 4 places

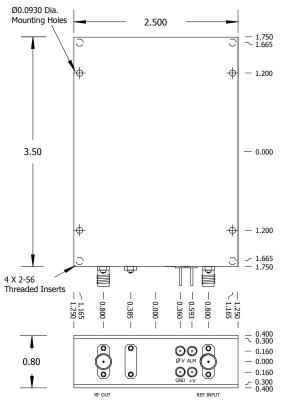
10 Watts at start-up for 5 minutes

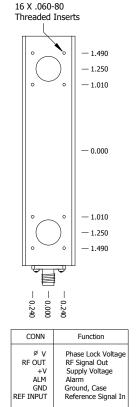
Type 2 Loop, < 5 minutes to $\pm 1 \times 10^{-9}$

6 Watts at steady state +25°C

Target Bandwidth: < 1 Hz

	REV	DATE	REVISION RECORD	DWN	AUTH
	-	11-16-11	Initial Release	SS	PAC
Packaging		_			
Machined aluminum housing					
Mounting					
Shock mount patterns on sides					
SHOCK HIDDIN PAREITIS OH SIDES		1		1	1





Wenzel Associates, Inc. Austin, Texas										
10 MHz-SC ULN Phase Lock Crystal Oscillator										
501-25190	Rev:	Date: 11-16-11		Drawn:	Ref: 501-10136B					
Tolerances: (except as noted) Dimensions are in inches	0.XX Dec: ±0.03	0"	0.XXX Dec: ±0.010"	FSCM: 62821	Page 1 of 1					