OUTPUT
Frequency
5 MHz, dual output
Level
+10 dBm ±2 dB into 50 ohms, each output
INPUT
Frequency
5 MHz
Level
-2 to +17 dBm into 50 ohms
Return Loss
-20 dB, maximum
STABILITY
Aging
$\pm 1 \times 10^{-10}$ per day at time of shipment
1 week passive bake-out prior to aging testing at approximately +105°C
Phase Noise L(f), Internal Oscillator, maximum

1 Hz	-110 dBc/Hz
10 Hz	-140 dBc
100 Hz	-160 dBc
1 KHz	-165 dBc
10 KHz	-165 dBc

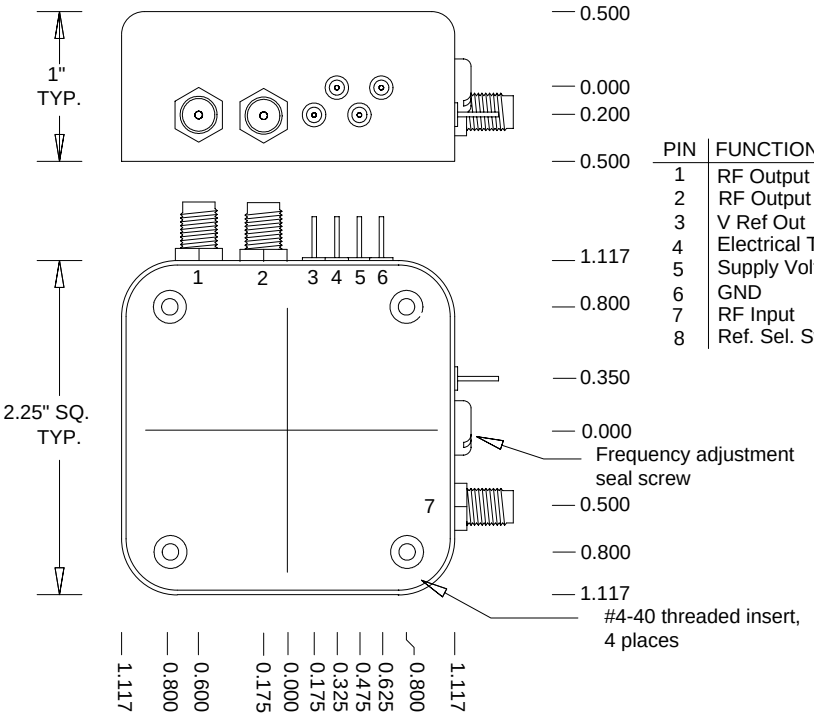
Phase Noise L(f), External Reference, maximum
Input Referred

1 Hz	-110 dBc/Hz
10 Hz	-140 dBc
100 Hz	-150 dBc
1 KHz	-150 dBc
10 KHz	-150 dBc

Temperature Stability
$\pm 1 \times 10^{-8}$, -10° to +70°C
Subs & Spurious
-85 dBm
Harmonics
-25 dBm
MECHANICAL
Dimensions
2.25 x 2.25 x 1”

Connectors
SMA and feedthru capacitor
Packaging
Steel can with gasketed access screw and threaded inserts on base
Finish
Nickel Plate
POWER REQUIREMENTS
Warm-Up Power
5.5 Watts for 5 minutes, typical
Total Power
2.0 Watts at +25°C, typical
Supply Voltage
+12 VDC
ADJUSTMENT
Mechanical Tuning
±.5 ppm minimum
Electrical Tuning
±.3 to +-.6 ppm, 0 to +7 VDC
±.05 ppm of nominal at +3.5 volts, at room temperature, at time of shipment
Negative Slope
Suitable for use with a 100 k ohm pot
V Reference
+8.0 VDC, typical, buffered by 10 k ohms
CRYSTAL
Type
5 MHz SC-cut, HC-40 package
SPECIAL
Reference Select Switch
>+4.0 Volts enables external reference.
<+1.0 Volts disables external reference.
Phase Perturbations
Design for minimum phase perturbations during shock and sinusoidal vibration.

REV	DATE	REVISION RECORD	DWN	AUTH
-	05-14-07	Draft	LR	LR



PIN	FUNCTION
1	RF Output
2	RF Output
3	V Ref Out
4	Electrical Tuning
5	Supply Voltage
6	GND
7	RF Input
8	Ref. Sel. Switch

Wenzel Associates, Inc.
Austin, Texas

Title:
5 MHz Auto Switching Oscillator

P/N:	Rev:	Date:	Drawn:	Ref:
501-17588	**-**	**05-14-07**		

Tolerances: (except as noted) Dimensions are in inches	0.XX Dec:	0.XXX Dec:	FSCM:	
	±0.030”	±0.010”	62821	Page 1 of 1