OUTPUT

Frequency

100 MHz

Level

+13 dBm ±2 dB into 50 ohms

STABILITY

Aging

1×10^{-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), dBc/Hz

	-01	-02	-03	-04	-05
100 Hz	-125	-130	-130	-135	-135
1 kHz	-154	-158	-158	-160	-160
10 kHz	-174	-175	-176	-175	-176
100 kHz	-174	-176	-178	-176	-178

Temperature Stability

$\pm 2 \times 10^{-7}$, 0° to +50°C (Ref +25°C)

$\pm 5 \times 10^{-7}$, -20° to +70°C (Ref +25°C)

MECHANICAL

Dimensions

1.75 x 2.94 x 1”

Connectors

SMA(f) and solder pins on side

Packaging

Solder sealed steel can

POWER REQUIREMENTS

Warm-Up Power

≤ 5 Watts for 5 minutes

Total Power

≤ 2.5 Watts at +25°C

Supply Voltage

+15 VDC ±5%

ADJUSTMENT

Mechanical Tuning

$\pm 4 \times 10^{-6}$

Electrical Tuning

$\pm 2 \times 10^{-7}$, ±5 VDC

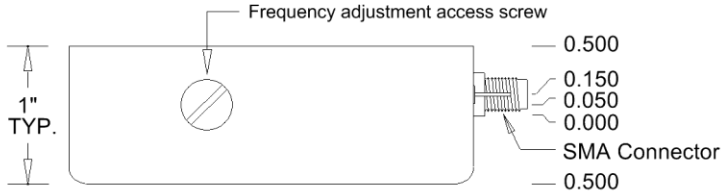
Negative slope

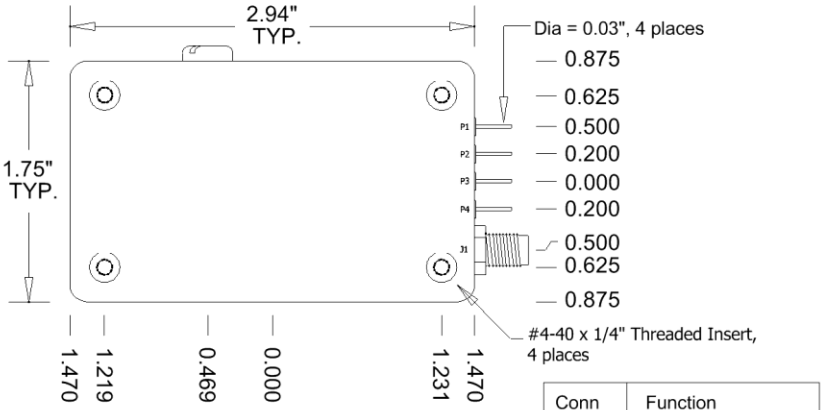
CRYSTAL

Type

100 MHz SC-cut

REV	DATE	REVISION RECORD	DWN	AUTH
-	06-21-13	Draft	PAC	LR





Connector numbers are for reference only, they do not appear on unit.

Conn	Function
J1	RF Output
P1	N/C
P2	Electrical Tuning
P3	Supply Voltage
P4	Case Ground

Wenzel Associates, Inc.
Austin, Texas

Title:

100 MHz-SC Ultra Low Noise Crystal Oscillator

P/N:	Rev:	Date:	Drawn:	Ref:
501-26947-xx	**-**	**06-21-13**		

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