OUTPUT

Frequency

10 MHz

Level

+13 dBm ± 2 dB into 50 ohms

STABILITY

Aging (typical)

5×10^{-10} per day after 30 days operating

5×10^{-8} second year

3×10^{-8} per year, thereafter

Phase Noise L(f)

1 Hz	-117 dBc/Hz (goal -120)
10 Hz	-147 dBc/Hz (goal -150)
100 Hz	-160 dBc/Hz
1 kHz	-165 dBc/Hz
10 kHz	-165 dBc/Hz

Temperature Stability

$\pm 5 \times 10^{-9}$, 0° to +50°C (Ref +25°C)

Harmonics

≤ -30 dBc

Spurious

≤ -80 dBc, excluding power supply line related spurs

MECHANICAL

Packaging

Solder sealed steel can

Dimensions

2" x 2" x 1"

Connectors / Mounting

SMA(f) and solder pins on side; threaded inserts, #4-40, 2 places

POWER REQUIREMENTS

Warm-Up Power

≤ 5 Watts for 5 minutes at +25°C

Total Power

≤ 2.2 Watts at +25°C

Supply Voltage

+12 VDC ±5%

ADJUSTMENT

Mechanical Tuning

$\pm 1 \times 10^{-6}$

Electrical Tuning

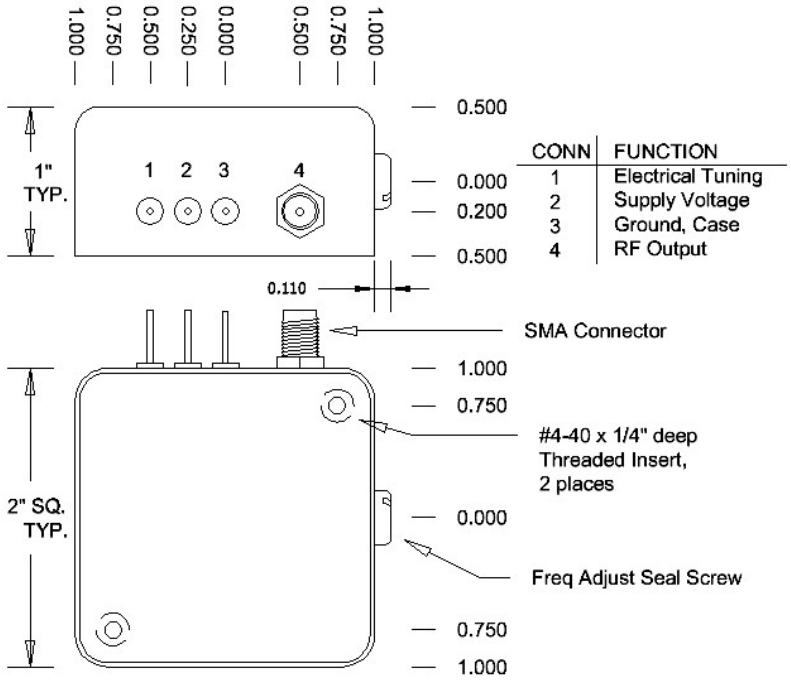
$\pm 2 \times 10^{-7}$, ±5 VDC, Negative slope

CRYSTAL

Type

10 MHz SC-cut

REV	DATE	REVISION RECORD	DWN	AUTH
-	05-11-18	Initial Release	BH	BB



CONN	FUNCTION
1	Electrical Tuning
2	Supply Voltage
3	Ground, Case
4	RF Output

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

Wenzel Associates, Inc.

Austin, Texas

Title: **10 MHz-SC Streamline Crystal Oscillator**

P/N:	Rev:	Date:	Drawn:	Ref:
501-31693	-	05-11-18		27501

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