

**OUTPUT
Frequency**

10 MHz

Level+13 dBm \pm 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

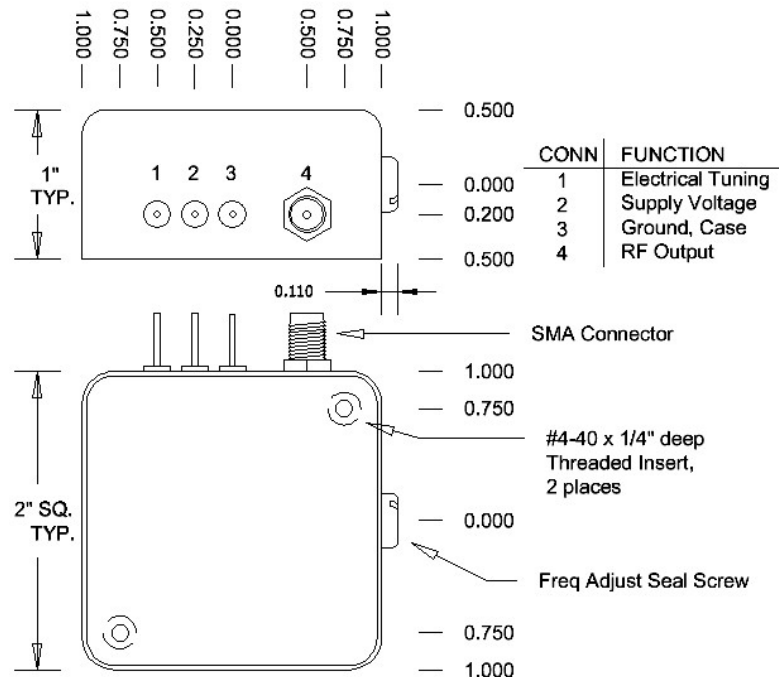
Dimensions

2" x 2" x 1"

Connectors / MountingSMA(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**+15 VDC $\pm 5\%$ **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
-	05-10-18	Initial Release	BH	BB



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:

501-31686

Rev:

-

Date:

05-10-18

Drawn:

Ref:

27501

Tolerances:
(except as noted)
Dimensions are in inches

0.XX Dec:

 ± 0.030 "

0.XXX Dec:

 ± 0.010 "

FSCM:

62821

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