

**OUTPUT****Frequency**

80 MHz

**Level**

+13 dBm ±2 dB into 50 ohms

**STABILITY****Aging**1 x 10<sup>-6</sup> per year

after 30 days operating, typical

**Phase Noise L(f)**

100 Hz -130 dBc

1 KHz -158 dBc

10 KHz -174 dBc

20 KHz -174 dBc

**Temperature Stability**±5 x 10<sup>-7</sup>, 0° to +50°C (Ref +25°C)**MECHANICAL****Dimensions**

1.75 x 2.94 x 1"

**Connectors**

SMA 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

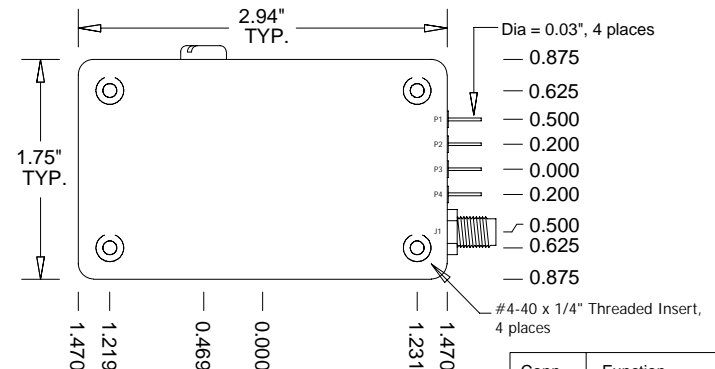
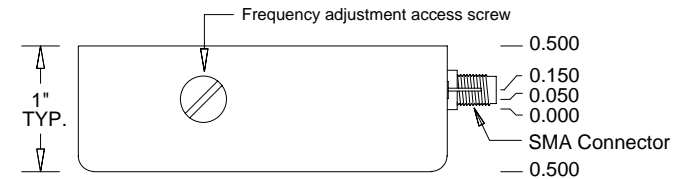
**ADJUSTMENT****Mechanical Tuning**±4 x 10<sup>-6</sup>**Electrical Tuning**±2 x 10<sup>-7</sup>, ±5 VDC

Negative slope

**CRYSTAL****Type**

80 MHz SC-cut

REV	DATE	REVISION RECORD	DWN	AUTH
-	11-14-06	Draft	YR	BH



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:

**Standard 80 MHz-SC Ultra Low Noise Crystal Osc.**

P/N: <b>501-16840</b>	Rev: -	Date: <b>11-14-06</b>	Drawn:	Ref:
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Tolerances: (except as noted) Dimensions are in inches	0.XX Dec: <b>±0.030"</b>	0.XXX Dec: <b>±0.010"</b>	FSCM: <b>62821</b>	Page 1 of 1
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