

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

OUTPUT

Frequency

5 MHz

Level

+13 dBm ±2dBm into 50 ohms

STABILITY

Aging

1 x 10⁻¹⁰ per day
after 30 days operating, typical

Phase Noise L(f)

1 Hz -120 dBc/Hz
10 Hz -150 dBc/Hz
100 Hz -170 dBc/Hz
1 kHz -176 dBc/Hz

Temperature Stability

±1 x 10⁻⁸, 0° to +60°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

±1 x 10⁻⁶

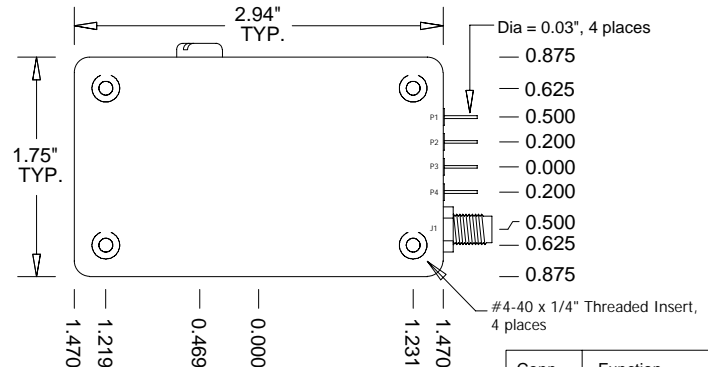
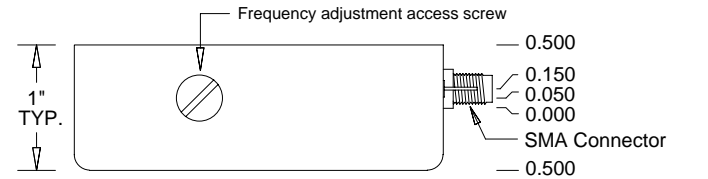
Electrical Tuning

±2 x 10⁻⁷, ±5 VDC
Negative slope

CRYSTAL


Type

5 MHz SC-cut



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: Premium 5 MHz-SC Ultra Low Noise Crystal Osc.				
P/N: 501-16833	Rev: -	Date: 11-14-06	Drawn:	Ref:
Tolerances: (except as noted) Dimensions are in inches	0.XX Dec: ±0.030"	0.XXX Dec: ±0.010"	FSCM: 62821	Page 1 of 1