

REV	DATE	REVISION RECORD	DWN	AUTH
-	02-11-05	Draft	SS	JH
A	02-11-05	Mechanical Drawing	BB	

OUTPUTS (2)

Frequency

100 MHz

Level

+12 ±2dBm into 50 ohms

STABILITY

Aging

1 x 10⁻⁶ per year

after 30 days operating, typical

Phase Noise L(f)

100 Hz -130 dBc/Hz

1 kHz -150 dBc/Hz

10 kHz -174 dBc/Hz

20 kHz -174 dBc/Hz

Temperature Stability

±5 x 10⁻⁷, 0° to +60°C (Ref +25°C)

MECHANICAL

Dimensions

1.75 x 2.94 x 1"

Connectors

SMA and solder pins

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

±5 x 10⁻⁷

Electrical Tuning

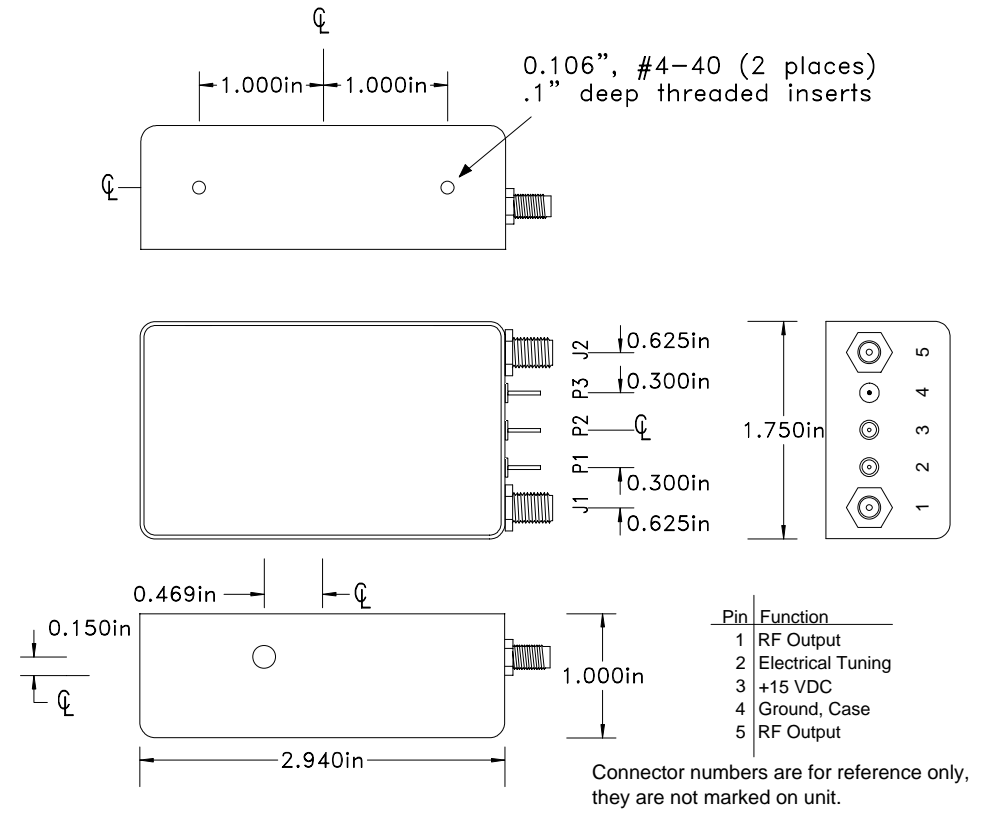
±4 x 10⁻⁶, ±5 VDC


Negative slope

CRYSTAL

Type

100 MHz SC-cut





Wenzel Associates, Inc.
Austin, Texas

Title: **100 MHz-SC Instrument Ultra Low Noise Crystal Osc.**

P/N: 501-14010	Rev: A	Date: 02-11-05	Drawn:	Ref:
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Tolerances: (except as noted) Dimensions are in inches	0.XX Dec: ±0.030"	0.XXX Dec: ±0.010"	FSCM: 62821	Page 1 of 1
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