

REV	DATE	REVISION RECORD	DWN	AUTH
-	05-14-07	Draft	BH	JR
A	09-05-07	Frequency	PAC	

**OUTPUT**

**Frequency** (please specify)

- 1 100.625000 MHz
- 2 100.633291 MHz
- 3 100.641025 MHz
- 4 100.649350 MHz
- 5 100.987654 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/Hz
- 1 kHz -160 dBc/Hz
- 10 kHz -176 dBc/Hz
- 20 kHz -176 dBc/Hz

**Temperature Stability**

±2 x 10<sup>-7</sup>, 0° to +60°C (Ref +25°C)

**MECHANICAL**

**Dimensions**

1.75 x 2.94 x 1"

**Connectors**

SMA on side and solder pins on base

**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**

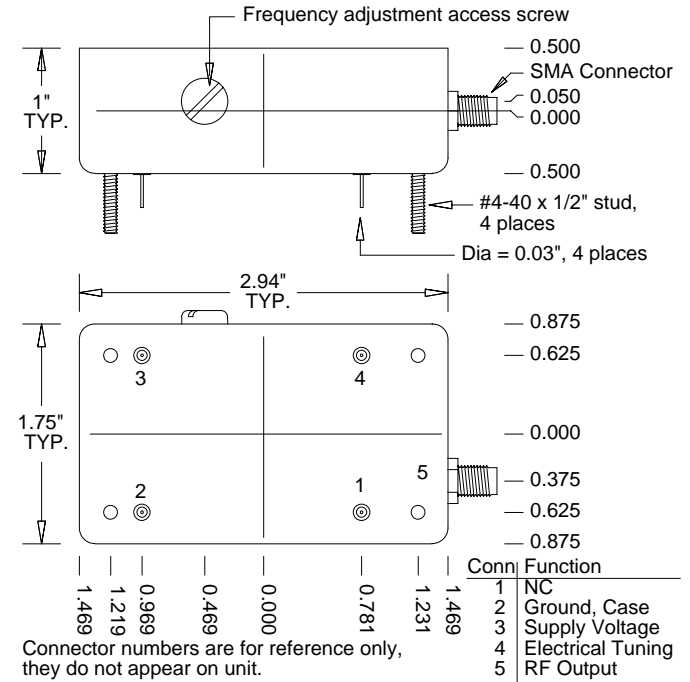
±2 x 10<sup>-7</sup>, ±5 VDC


Negative slope

**CRYSTAL**

**Type**

SC-cut





**Wenzel Associates, Inc.**  
Austin, Texas

Title:  
**~100 MHz-SC Ultra Low Noise Crystal Oscillator**

P/N: <b>501-17586-x</b>	Rev: <b>A</b>	Date: <b>09-05-07</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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