

**OUTPUT****Frequency**

100 MHz

**Level**

+13 ±2dBm into 50 ohms

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

after 30 days operating, typical

**Phase Noise L(f)**

100 Hz -125 dBc/Hz

1 kHz -150 dBc/Hz

10 kHz -174 dBc/Hz

20 kHz -174 dBc/Hz

**Temperature Stability**±5 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**

&lt;5 Watts for 5 minutes

**Total Power**

2.5 Watts at +25°C

**Supply Voltage**

+15 VDC

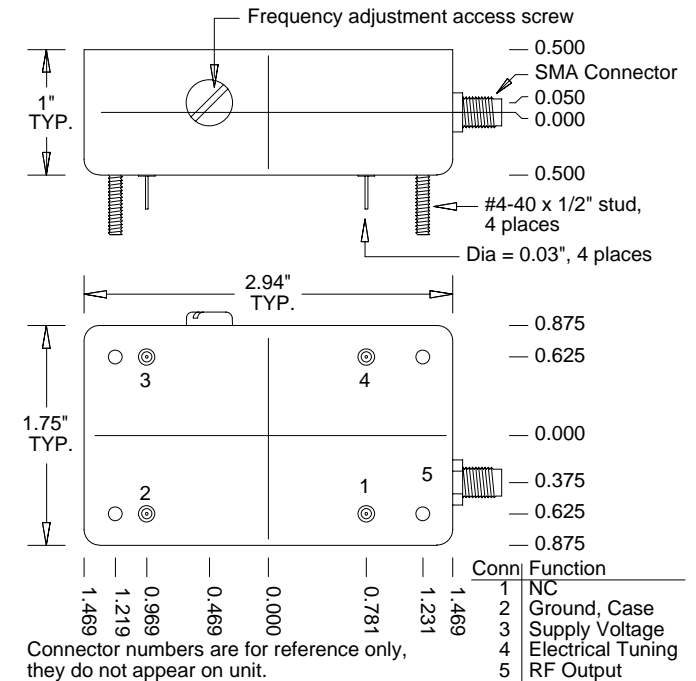
**ADJUSTMENT****Mechanical Tuning**±4 x 10<sup>-6</sup>**Electrical Tuning**±2 x 10<sup>-7</sup>, ±5 VDC

Negative slope

**CRYSTAL****Type**

100 MHz SC-cut

REV	DATE	REVISION RECORD	DWN	AUTH
-	03-20-95	Draft	BH	
A	05-10-99	Phase Noise, Temp. Stability	KW	GP
B	10-29-99	Tuning Hole	KP	BH
C	01-19-00	Correct ET on Drawing	KP	KW
D	02-11-00	Correct Drawing	KP	Kw
E	03-20-02	Change Phase Noise	PC	BH
F	04-07-03	Change Phase Noise	SS	

**Wenzel Associates, Inc.**

Austin, Texas

Title:

**Standard 100 MHz-SC Ultra Low Noise Crystal Osc.**

P/N:

**501-04622**

Rev:

**F**

Date:

**04-07-03**

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