REV	DATE	REVISION RECORD	DWN	AUTH
-	03-20-95	Draft	BH	
A	09-17-98	Aging	KW	GP
B	05-10-99	Aging, Phase Noise, Temp. Stability	KW	GP
C	10-29-99	Aging, Phase Noise, Tuning Hole	KP	BH
D	01-19-00	Correct ET on Drawing	KP	KW
E	02-11-00	Correct Drawing	KP	KW
F	03-20-02	Change Phase Noise	PC	BH
G	04-07-03	Change Phase Noise	SS	

OUTPUT

Frequency

100 MHz

Level

+13 dBm ±2 dB into 50 ohms

STABILITY

Aging

1×10^{-6} per year

after 30 days operating, typical

Phase Noise L(f)

100 Hz	-130 dBc/Hz
1 kHz	-158 dBc/Hz
10 kHz	-176 dBc/Hz
20 kHz	-176 dBc/Hz

Temperature Stability

$\pm 2 \times 10^{-7}$, 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

$\pm 4 \times 10^{-6}$

Electrical Tuning

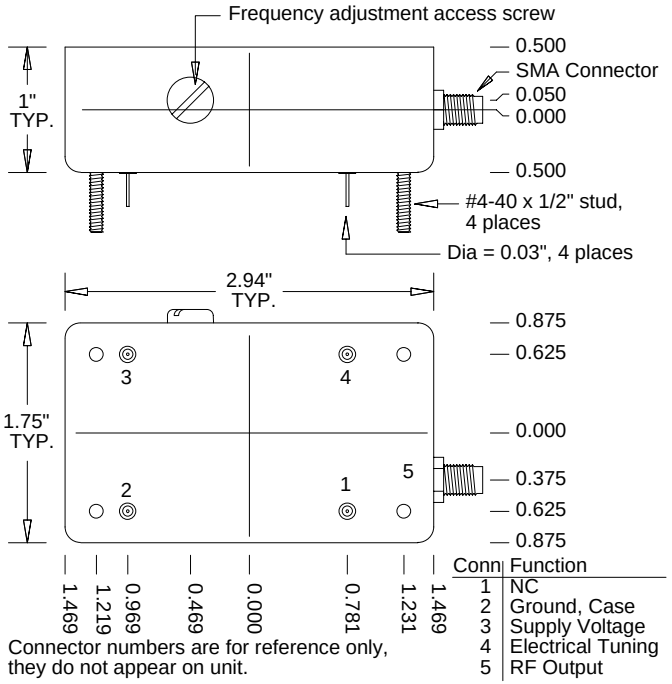
$\pm 2 \times 10^{-7}$, ±5 VDC

Negative slope

CRYSTAL

Type

100 MHz SC-cut



Connector numbers are for reference only, they do not appear on unit.

Conn	Function
1	NC
2	Ground, Case
3	Supply Voltage
4	Electrical Tuning
5	RF Output

Wenzel Associates, Inc.
Austin, Texas

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

P/N:	Rev:	Date:	Drawn:	Ref:
501-04623	**G**	**04-07-03**		

Tolerances: (except as noted) Dimensions are in inches	0.XX Dec:	0.XXX Dec:	FSCM:	
	±0.030”	±0.010”	62821	Page 1 of 1