OUTPUT

Frequency
100 MHz

Level
+13 ±2dBm into 50 ohms

STABILITY

Aging
1×10^{-6} per year
after 30 days operating, typical

Phase Noise L(f)
10 Hz -102 dBc/Hz
100 Hz -132 dBc/Hz
1 kHz -162 dBc/Hz
10 kHz -178 dBc/Hz

Temperature Stability
$\pm 2 \times 10^{-7}$, 0° to +50°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
$\pm 2.5 \times 10^{-6}$

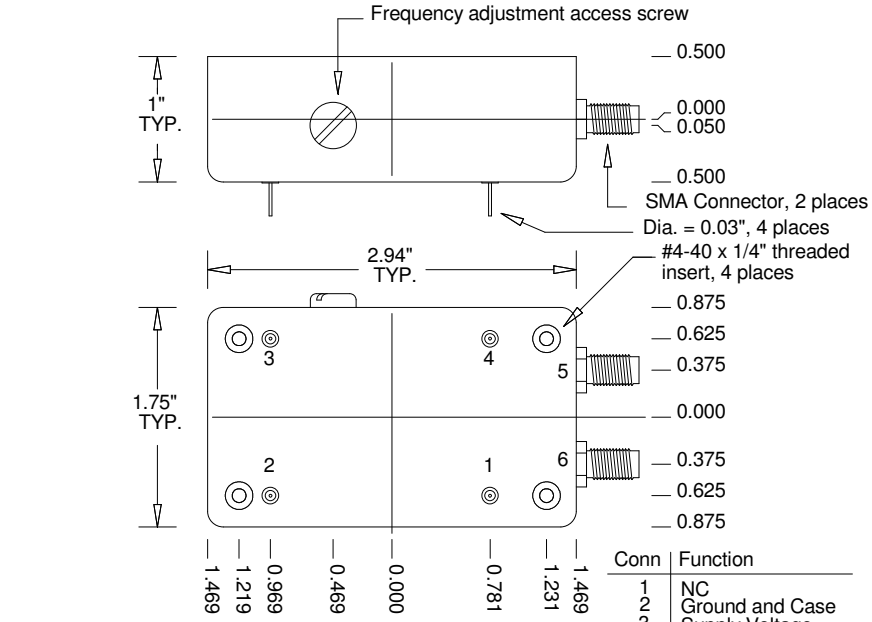
Electrical Tuning
$\pm 2 \times 10^{-7}$, ±5 VDC
Negative slope

CRYSTAL

Type
100 MHz SC-cut

Test Data
Phase Noise
Temp. Stability

REV	DATE	REVISION RECORD	DWN	AUTH
-	04-25-18	Initial Release	SS	BH



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

Connector numbers are for reference only, they do not appear

Wenzel Associates, Inc.
Austin, Texas

Title:
100 MHz-SC Ultra Low Noise Crystal Oscillator

P/N:	Rev:	Date:	Drawn:	Ref:
501-31658	**-**	**04-25-18**		**500-04026f**

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