

REV	DATE	REVISION RECORD	DWN	AUTH
-	03-20-95	Draft	BH	
A	10-29-99	Phase Noise, Tuning Hole	KP	BH
B	01-19-00	Correct ET on Drawing	KP	KW
C	02-11-00	Correct Drawing	KP	KW
D	04-07-03	Phase Noise	SS	

OUTPUT

Frequency
80 MHz

Level

+13 dBm ±2 dB into 50 ohms

STABILITY

Aging

1 x 10⁻⁶ per year
after 30 days operating, typical

Phase Noise L(f)

100 Hz -130 dBc
1 KHz -158 dBc
10 KHz -174 dBc
20 KHz -174 dBc

Temperature Stability

±5 x 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

±4 x 10⁻⁶

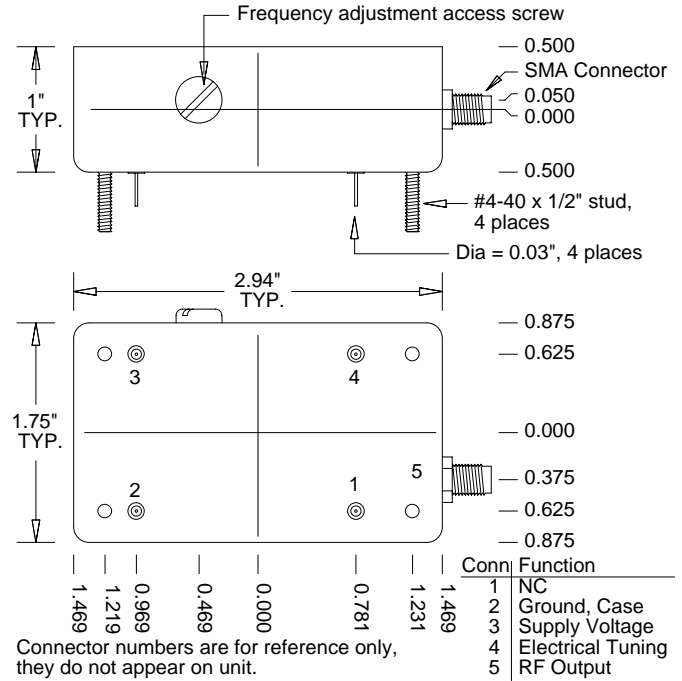
Electrical Tuning

±2 x 10⁻⁷, ±5 VDC
Negative slope

CRYSTAL

Type

80 MHz SC-cut



Wenzel Associates, Inc.

Austin, Texas

Title:

Standard 80 MHz-SC Ultra Low Noise Crystal Osc.

P/N: 501-04620	Rev: D	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
--	-----------------------------	------------------------------	-----------------------	-------------