

OUTPUT**Frequency**

100 MHz

Level

+13 ±2dBm into 50 ohms

STABILITY**Aging**1 x 10⁻⁶ 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 10⁻⁷, 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

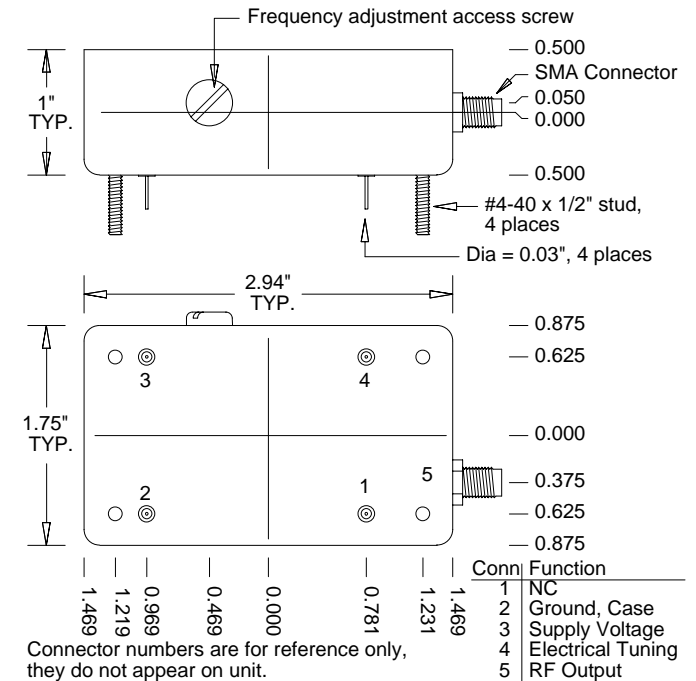
ADJUSTMENT**Mechanical Tuning**±4 x 10⁻⁶**Electrical Tuning**±2 x 10⁻⁷, ±5 VDC

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

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