

OUTPUT**Frequency**

50 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 -130 dBc
1 KHz -160 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

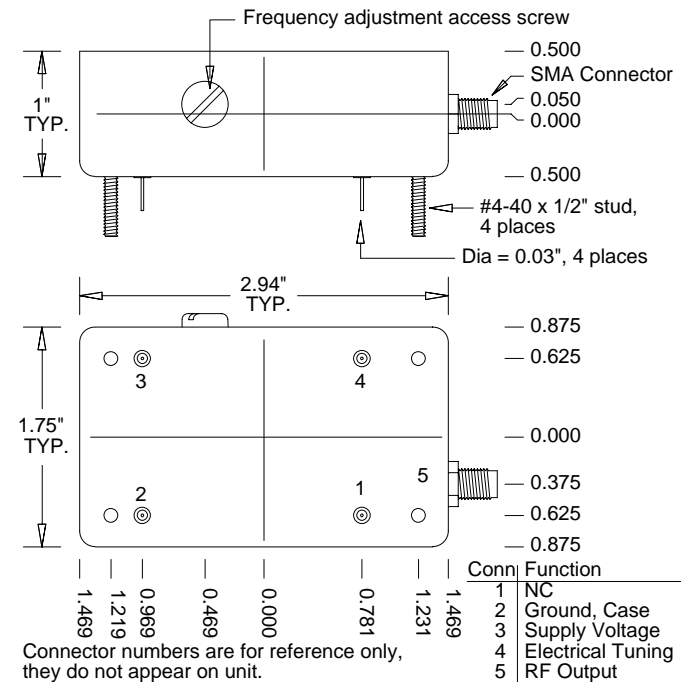
ADJUSTMENT**Mechanical Tuning**±4 x 10⁻⁶**Electrical Tuning**±2 x 10⁻⁷, ±5 VDC

Negative slope

CRYSTAL**Type**

50 MHz SC-cut

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

**Wenzel Associates, Inc.**

Austin, Texas

Title:

Standard 50 MHz-SC Ultra Low Noise Crystal Osc.

P/N:

501-04618

Rev:

E

Date:

04-04-03

Drawn:

Ref:

Tolerances:
(except as noted)
Dimensions are in inches0.XX Dec:
±0.030"0.XXX Dec:
±0.010"FSCM:
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