

**OUTPUT****Frequency**

50 MHz

**Level**+13 dBm  $\pm$ 2 dB into 50 ohms**STABILITY****Aging**1 x 10<sup>-6</sup> per year

after 30 days operating, typical

**Phase Noise L(f)**

100 Hz -136 dBc

1 KHz -164 dBc

10 KHz -176 dBc

20 KHz -176 dBc

**Temperature Stability** $\pm$ 2 x 10<sup>-7</sup>, 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

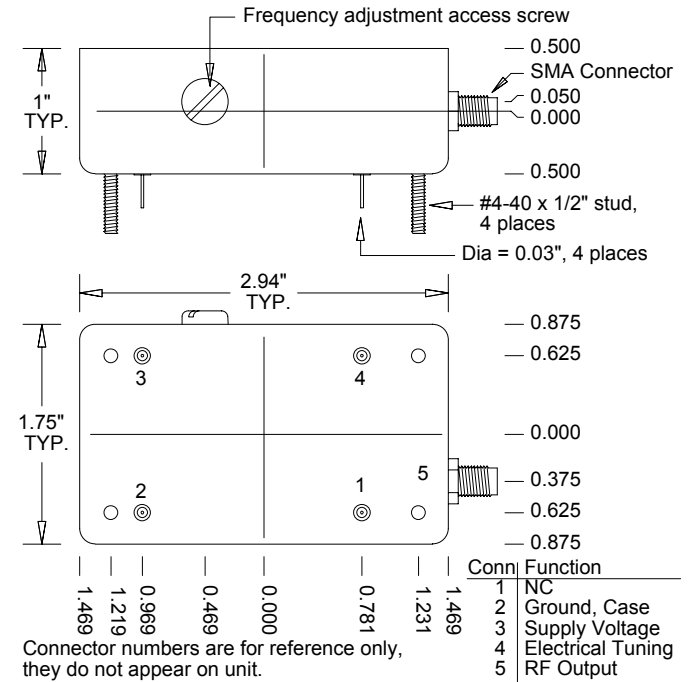
**ADJUSTMENT****Mechanical Tuning** $\pm$ 4 x 10<sup>-6</sup>**Electrical Tuning** $\pm$ 2 x 10<sup>-7</sup>,  $\pm$ 5 VDC

Negative slope

**CRYSTAL****Type**

50 MHz SC-cut

REV	DATE	REVISION RECORD	DWN	AUTH
-	03-20-95	Draft	BH	
A	09-17-98	Aging	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	04-04-03	Title, Phase Noise	SS	
F	09-13-04	Temperature Stability	PAC	


**Wenzel Associates, Inc.**

Austin, Texas

Title:

**Premium 50 MHz-SC Ultra Low Noise Crystal Osc.**

P/N:

**501-04619**

Rev:

**F**

Date:

**09-13-04**

Drawn:

Ref:

 Tolerances:  
(except as noted)  
Dimensions are in inches

0.XX Dec:

 $\pm$ 0.030"

0.XXX Dec:

 $\pm$ 0.010"

FSCM:

62821

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