

**OUTPUT****Frequency**

50 MHz

**Level**

+13 dBm ±2dB into 50 ohms

**STABILITY****Aging**3 x 10<sup>-7</sup> per year

after 30 days operating, typical

**Phase Noise L(f)**

100 Hz -135 dBc/Hz

1 kHz -155 dBc/Hz

10 kHz -165 dBc/Hz

20 kHz -167 dBc/Hz

**Temperature Stability**±8 x 10<sup>-8</sup>, 0° to +50°C (Ref +25°C)**MECHANICAL****Dimensions**

2 x 2 x 0.75"

**Connectors**

SMA and feedthru capacitor

**Packaging**

Sealed steel can

**POWER REQUIREMENTS****Warm-Up Power**

&lt;5 Watts for 5 minutes

**Total Power**

2.7 Watts at +25°C

**Supply Voltage**

+15 VDC

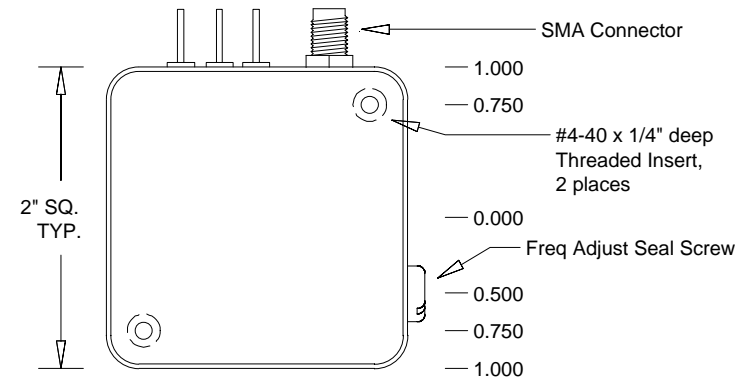
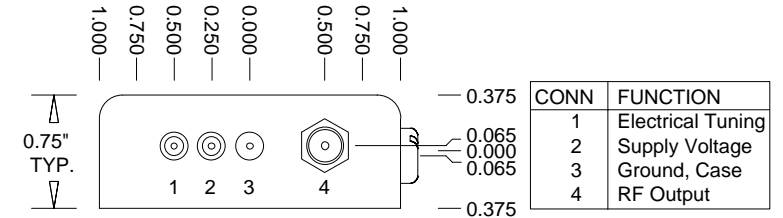
**ADJUSTMENT****Mechanical Tuning**±3 x 10<sup>-6</sup>**Electrical Tuning**±5 x 10<sup>-7</sup>, ±5 VDC

Negative Slope

**CRYSTAL****Type**

50 MHz SC-cut

REV	DATE	REVISION RECORD	DWN	AUTH
-	02-21-95	Draft	BH	
A	02-20-96	Revise Can	BH	
B	04-07-98	Revise Can	KW	BK
C	08-30-00	Revise Can	KP	KW
D	02-09-07	Removed per day aging spec	SS	GP



Connector numbers are for reference only,  
they are not marked on unit.


**Wenzel Associates, Inc.**

Austin, Texas

Title:

**Premium 50 MHz-SC Sprinter Crystal Oscillator**

P/N:

**501-04544**

Rev:

**D**

Date:

**02-09-07**

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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