

**OUTPUT****Frequency**

100 MHz

**Level**

+13 dBm ±2dB into 50 ohms

**STABILITY****Aging**1 x 10<sup>-6</sup> per year

after 30 days operating, typical

**Phase Noise L(f)**

100 Hz -120 dBc/Hz

1 kHz -150 dBc/Hz

10 kHz -165 dBc/Hz

20 kHz -165 dBc/Hz

**Temperature Stability**±5 x 10<sup>-7</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**

&lt;2.7 Watts at +25°C

**Supply Voltage**

+15 VDC

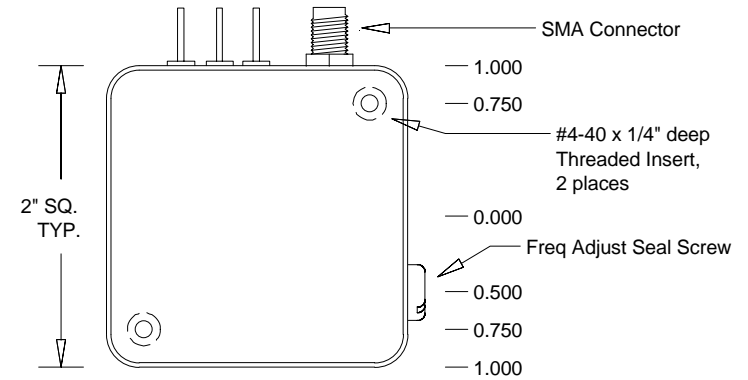
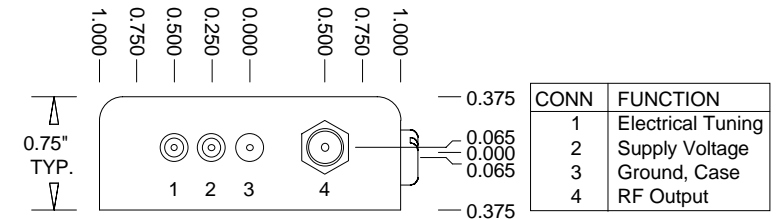
**ADJUSTMENT****Mechanical Tuning**±4 x 10<sup>-6</sup>**Electrical Tuning**±5 x 10<sup>-7</sup>, ±5 VDC

Negative slope

**CRYSTAL****Type**

100 MHz SC-cut

REV	DATE	REVISION RECORD	DWN	AUTH
-	02-21-95	Draft	BH	
A	02-20-96	Revise Can	BH	
B	12-23-97	Update drawing	RR	
C	05-11-98	Update drawing	KW	
D	08-30-00	Update Drawing	KP	KW



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



**Wenzel Associates, Inc.**

Austin, Texas

Title:

**Standard 100 MHz-SC Sprinter Crystal Oscillator**

P/N: <b>501-04516</b>	Rev: <b>D</b>	Date: <b>08-30-00</b>	Drawn:	Ref:
Tolerances: (except as noted) Dimensions are in inches		0.XX Dec: <b>±0.030"</b>	0.XXX Dec: <b>±0.010"</b>	FSCM: <b>62821</b>

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