

**OUTPUT**

**Frequency**  
120 MHz

**Level**  
+13 dBm ±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 -127 dBc/Hz  
1 kHz -157 dBc/Hz  
10 kHz -175 dBc/Hz  
100 kHz -176 dBc/Hz

**Temperature Stability**  
±2 x 10<sup>-7</sup>, 0° to +60°C (Ref +25°C)

**Harmonics**  
≤ -30 dBc

**Spurious**  
≤ -80 dBc, excluding power  
supply line related spurs

**MECHANICAL**

**Dimensions**  
1.835 x 1.865 x 0.75"

**Connectors**  
SMA(f) and solder pins on side

**Packaging**  
Nickel-plated machined aluminum case

**POWER REQUIREMENTS**

**Warm-Up Power**  
≤ 5 Watts for 5 minutes

**Total Power**  
≤ 2.7 Watts at +25°C

**Supply Voltage**  
+15 VDC ±5%

**ADJUSTMENT**

**Mechanical Tuning**  
±4 x 10<sup>-6</sup>

**Electrical Tuning**  
±2 x 10<sup>-7</sup>, ±5 VDC  
Negative slope

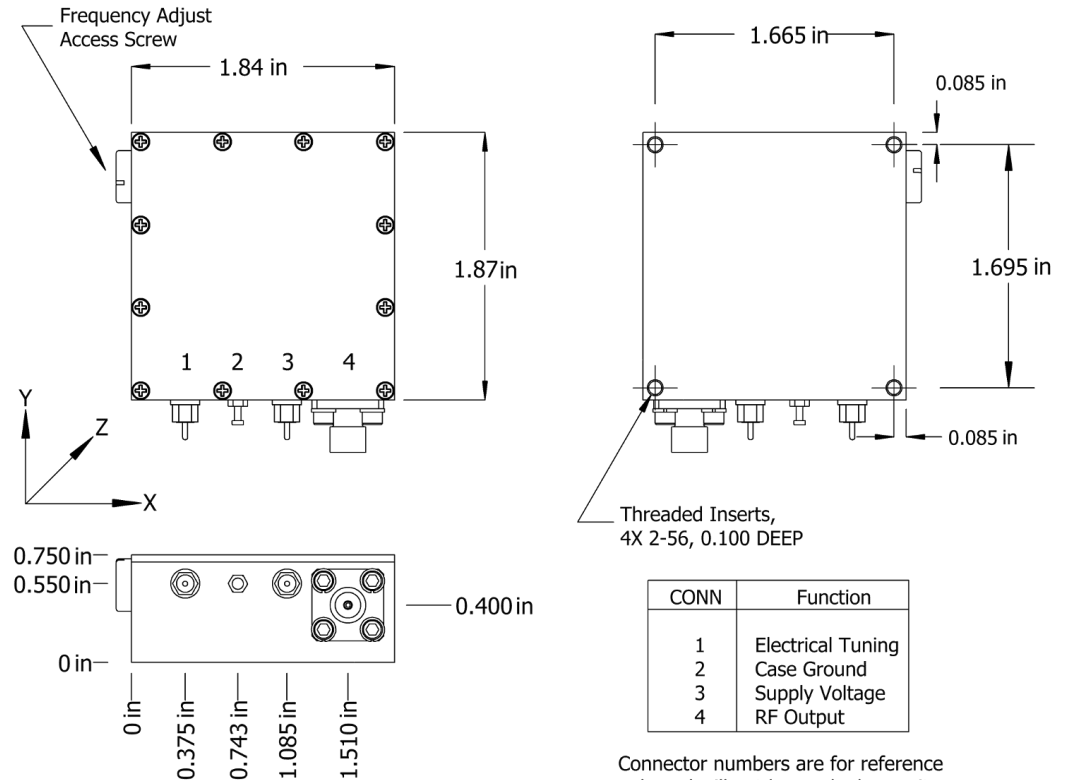
**CRYSTAL**

**Type**  
120 MHz SC-cut

**ENVIRONMENTAL**

**Acceleration Sensitivity**  
≤ 5 x 10<sup>-10</sup> /g per axis, typical

EV	DATE	REVISION RECORD	DWN	AUTH
-	03-04-11	Initial Release	Liz	
A	03-04-11	Noise, Final Outline, g-sense	Liz	
B	07-01-13	Updated Drawing	PAC	



**Wenzel Associates, Inc.**

Austin, Texas

Title:

**120 MHz-SC ULN II Crystal Oscillator**

P/N: <b>501-22474</b>	Rev: <b>B</b>	Date: <b>07-01-13</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>	Page 1 of 1