

EV	DATE	REVISION RECORD	DWN	AUTH
-	01-17-12	Initial Release	PAC	

**OUTPUT**

**Frequency**

100 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 -135 dBc/Hz

1 kHz -162 dBc/Hz

10 kHz -176 dBc/Hz

100 kHz -178 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**

±2 x 10<sup>-7</sup>

**Electrical Tuning**

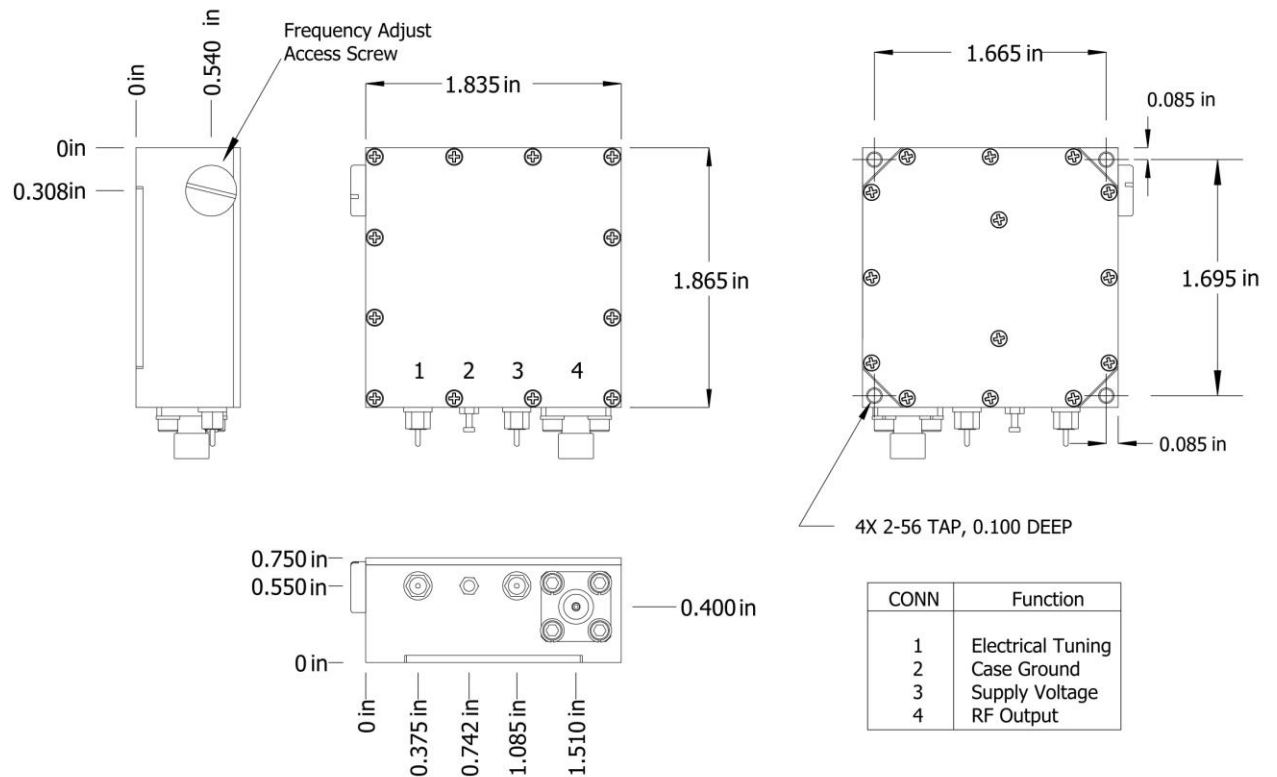
±4 x 10<sup>-6</sup>, ±5 VDC


Negative slope

**CRYSTAL**

**Type**

100 MHz SC-cut



 <b>Wenzel Associates, Inc.</b> Austin, Texas				
Title:				
<b>100 MHz-SC Ultra Low Noise Crystal Oscillator</b>				
P/N:	Rev:	Date:	Drawn:	Ref:
<b>501-25419</b>	-	<b>01-17-12</b>		
Tolerances: (except as noted) Dimensions are in inches	0.XX Dec: ±0.030"	0.XXX Dec: ±0.010"	FSCM: 62821	Page 1 of 1