

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 10⁻⁶ 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 10⁻⁷, 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 10⁻⁷

Electrical Tuning

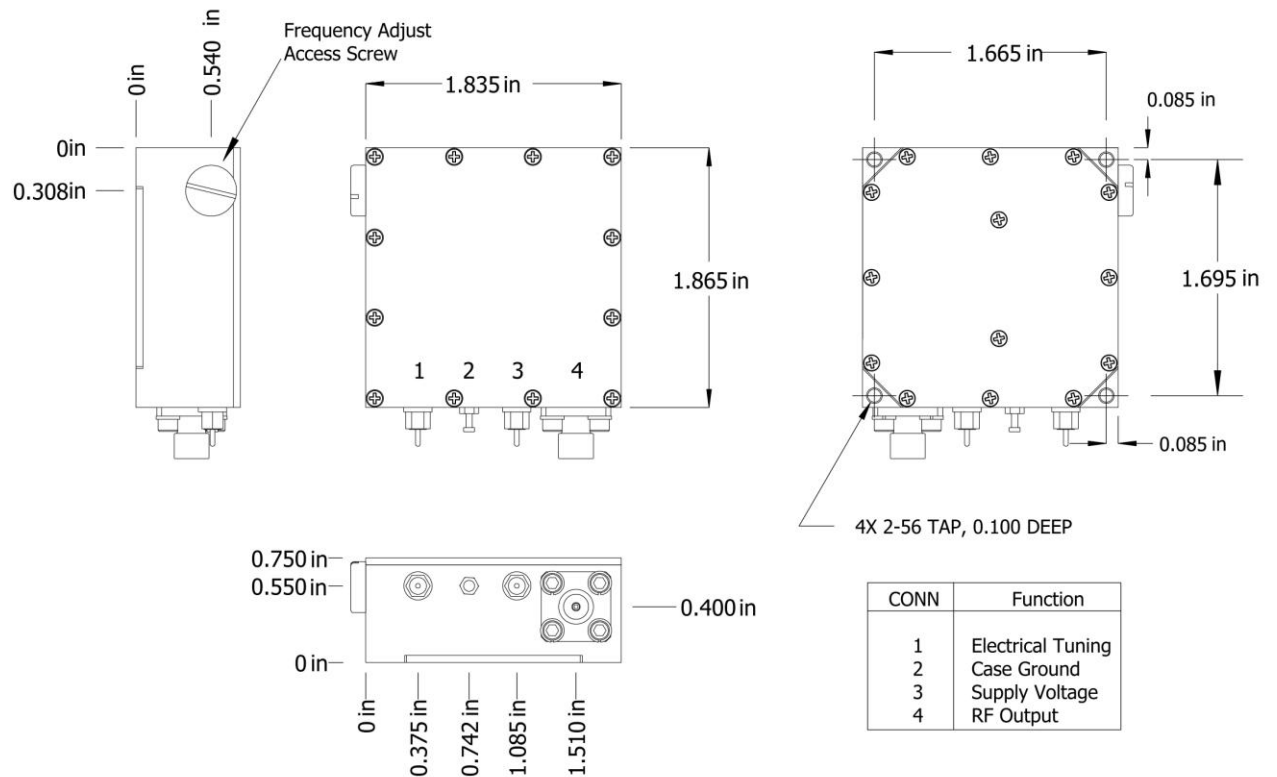
±4 x 10⁻⁶, ±5 VDC


Negative slope

CRYSTAL

Type

100 MHz SC-cut



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