

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	

OUTPUT

Frequency

120 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 -127 dBc/Hz
1 kHz -157 dBc/Hz
10 kHz -175 dBc/Hz
100 kHz -176 dBc/Hz

Temperature Stability

±2 x 10⁻⁷, 0° to +60°C (Ref +25°C)

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 10⁻⁶

Electrical Tuning

±2 x 10⁻⁷, ±5 VDC
Negative slope

CRYSTAL

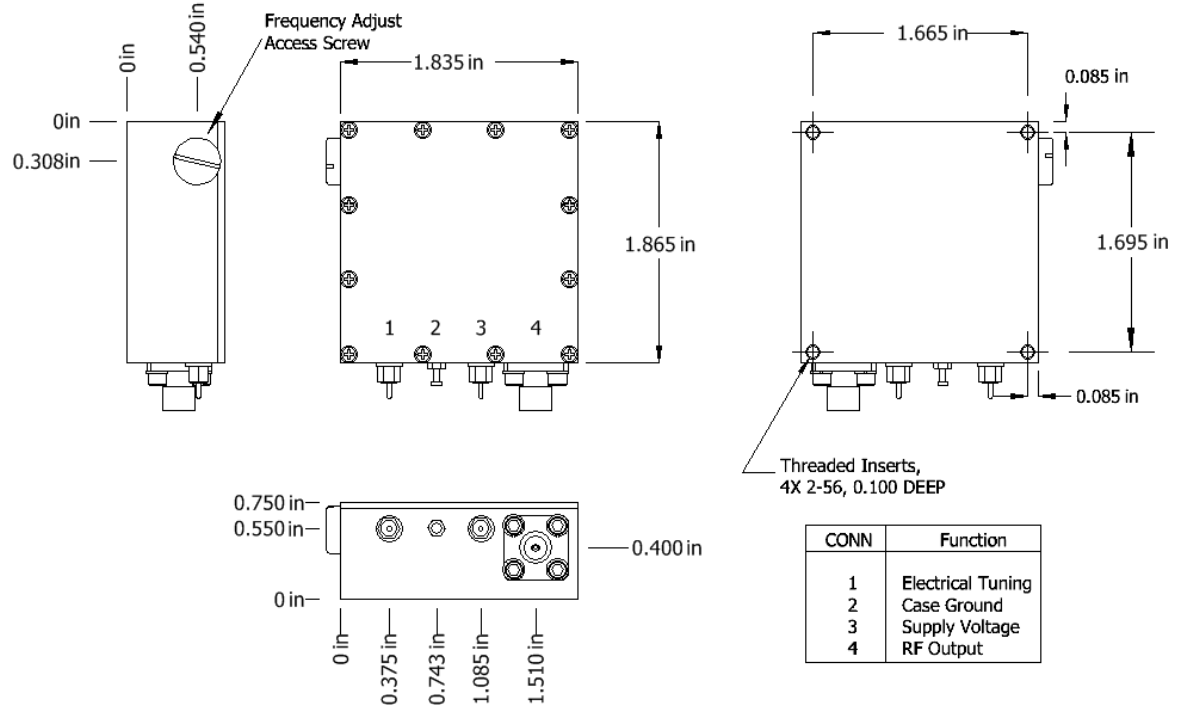
Type

120 MHz, Low g

SPECIAL

Acceleration Sensitivity

≤ 3 x 10⁻¹⁰ /g per axis, typical



Wenzel Associates, Inc.

Austin, Texas

Title:

120 MHz-SC ULN II Crystal Oscillator

P/N: 501-22474	Rev: B	Date: 07-01-13	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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