

EV	DATE	REVISION RECORD	DWN	AUTH
-	07-22-08	Draft	VG	
A	01-22-09	Updated Drawing	PAC	
B	02-11-09	Updated Drawing	PAC	
C	04-08-09	Title Block (Added Citrine)	VG	
D	06-30-10	Updated Drawing	PAC	
E	11-07-12	Updated Drawing	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 -130 dBc/Hz
1 kHz -158 dBc/Hz
10 kHz -176 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

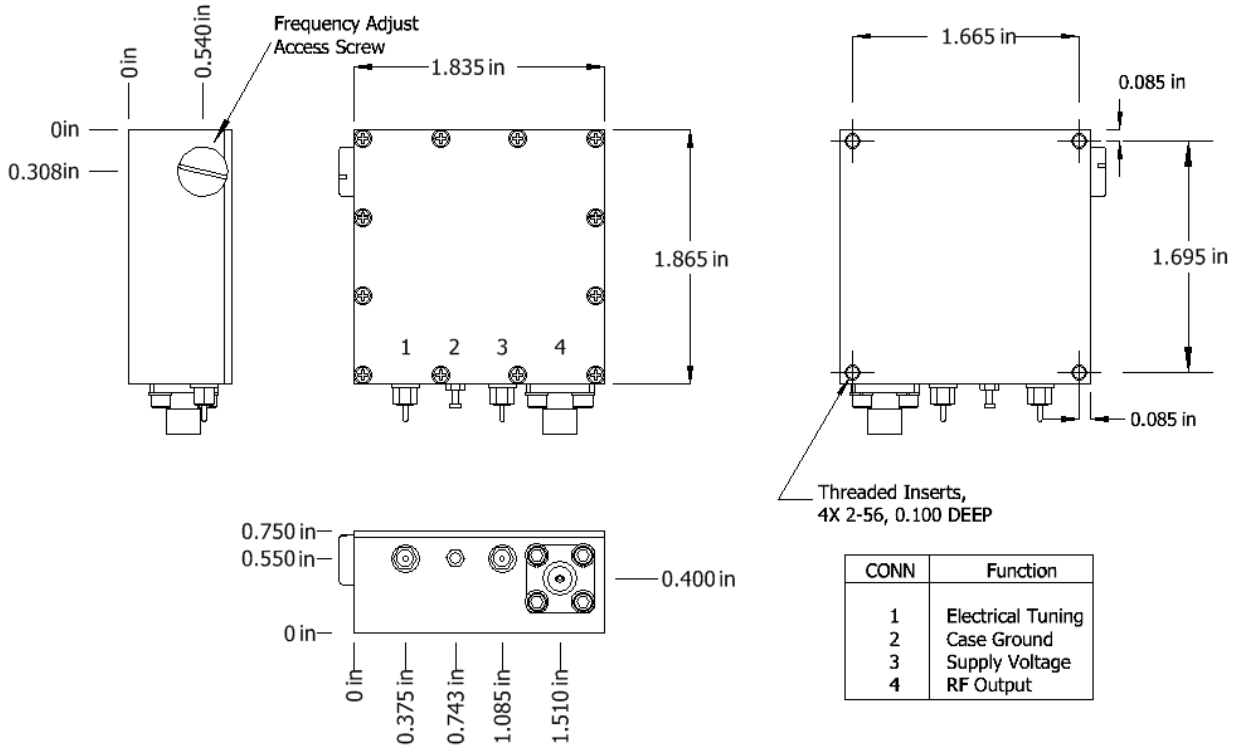
Type


100 MHz

SPECIAL

Acceleration Sensitivity

≤ 5 x 10⁻¹⁰ /g per axis
Guaranteed



 Wenzel Associates, Inc. Austin, Texas				
Title:				
100 MHz-SC Ultra Low Noise II Crystal Oscillator				
P/N:	Rev:	Date:	Drawn:	Ref:
501-19459	E	11-07-12		
Tolerances: (except as noted) Dimensions are in inches	0.XX Dec: ±0.030"	0.XXX Dec: ±0.010"	FSCM: 62821	Page 1 of 1