

REV	DATE	REVISION RECORD	DWN	AUTH
-	07-01-09	Draft	VG	

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 -125 dBc/Hz
1 kHz -150 dBc/Hz
10 kHz -174 dBc/Hz
100 kHz -174 dBc/Hz

Temperature Stability

±5 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

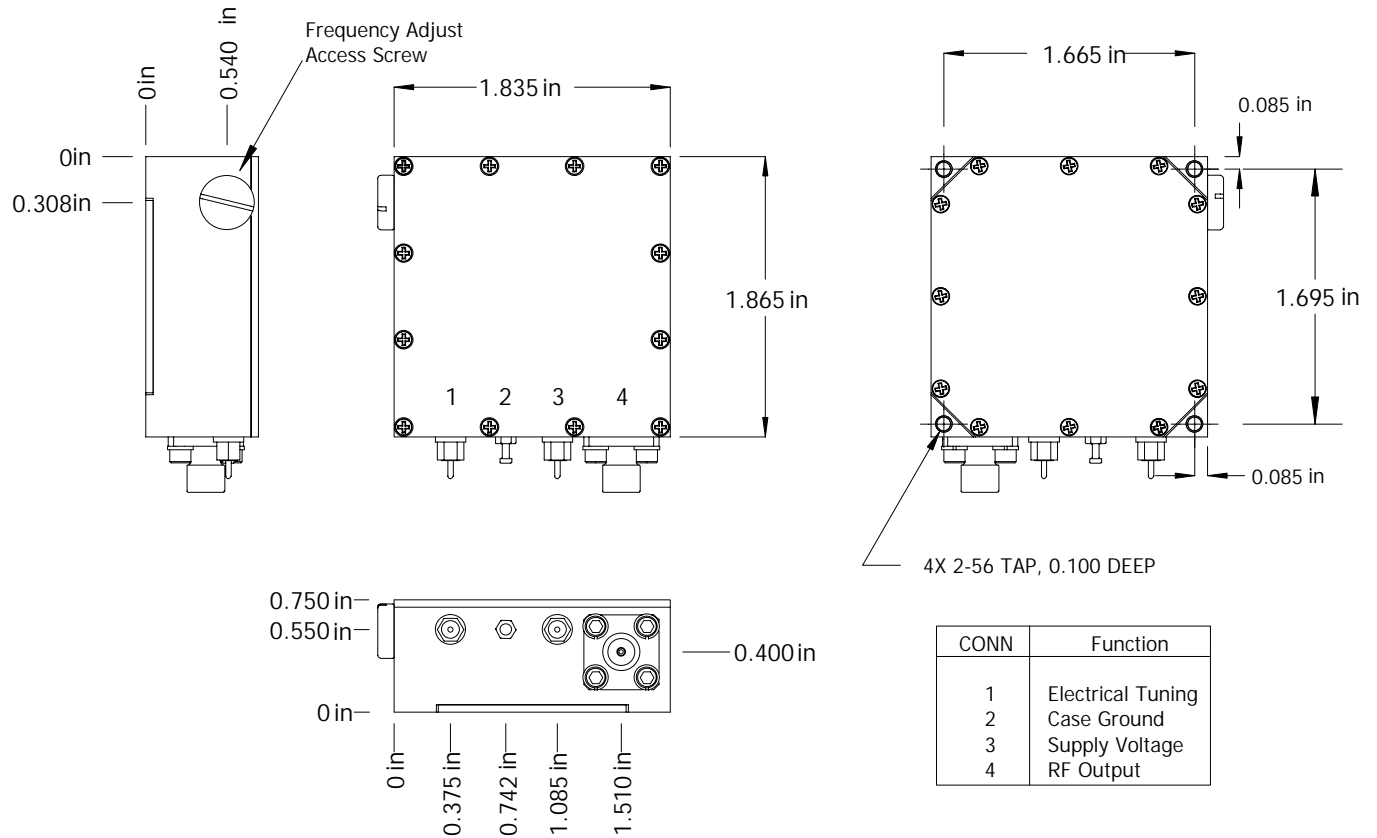
Electrical Tuning


±2 x 10⁻⁷, ±5 VDC
Negative slope

CRYSTAL

Type

100 MHz



 Wenzel Associates, Inc. Austin, Texas				
Title:				
Standard 100 MHz-SC Ultra Low Noise Crystal Osc.				
P/N:	Rev:	Date:	Drawn:	Ref:
501-21185	-	07-01-09		
Tolerances: (except as noted) Dimensions are in inches	0.XX Dec: ±0.030"	0.XXX Dec: ±0.010"	FSCM: 62821	Page 1 of 1