

OUTPUT**Frequency**

10 MHz

Level

+8 ±1 dBm into 50 ohms

Frequency AccuracyTo within ±2 x 10⁻⁸ of final frequency at time of shipment**STABILITY****Aging**

0.5 ppb per day at time of shipment

Phase Noise L(f)

1 Hz -115 dBc/Hz

10 Hz -145 dBc/Hz

100 Hz -160 dBc/Hz

1 kHz -165 dBc/Hz

10 kHz -165 dBc/Hz

Temperature Stability

±2 ppb, -20° to +70°C (Ref: +25°C)

Harmonics

-30 dBc

Non-Harmonics

-90 dBc, excluding line related spurs

MECHANICAL**Dimensions**

2.25 x 2.25 x 1"

Connectors

SMA(f) and feedthru capacitor

Packaging

Sealed steel can with gasketed access screw and threaded inserts on base

POWER REQUIREMENTS**Oscillator Supply Voltage**

+12 ±1 VDC, 40 mA max

Oven Supply Voltage

+12 ±1 VDC

< 8 Watts for 10 minutes (+25°C) at turn on

< 3 Watts at +25°C after stabilization

ADJUSTMENT**Mechanical Tuning**±1 x 10⁻⁶**Electrical Tuning**±2 x 10⁻⁷, ±5 VDC**CRYSTAL****Type**

SC-cut (HC-40)

OTHER**Storage Temperature**

-40° to +85°C

Acceleration Sensitivity< 2 x 10⁻⁹/g per axis, typical**Oven Monitor**

At turn on: +10.5 ±1 VDC

At stabilization: +3.5 ±0.5 VDC

(10 minutes after turn on at +25°C)

Source impedance: 20 kohm, nominal

Test Data

Output Level

Frequency Accuracy (at shipment)

Aging (at shipment)

Phase Noise

Temperature Stability

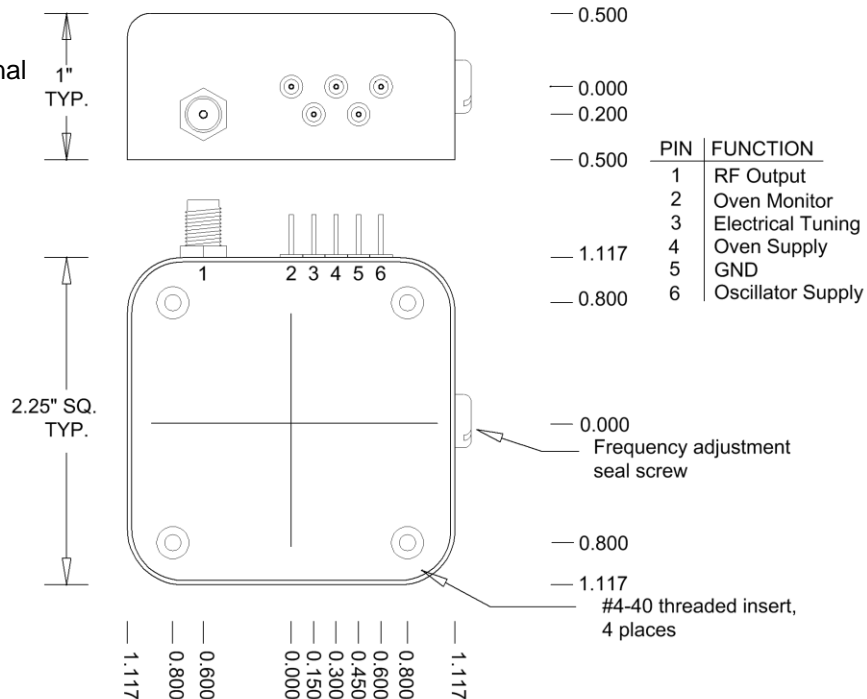
Harmonics


Non-Harmonics

Warm-up Power

Total Power

REV	DATE	REVISION RECORD	DWN	AUTH
-	02-24-14	Initial Release	PAC	Liz



 Wenzel Associates, Inc. Austin, Texas				
Title:				
10 MHz Streamline Crystal Oscillator				
P/N:	Rev:	Date:	Drawn:	Ref:
501-27867	-	02-24-14		
Tolerances: (except as noted) Dimensions are in inches		0.XX Dec: ±0.030"	0.XXX Dec: ±0.010"	FSCM: 62821
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