

REV	DATE	REVISION RECORD	DWN	AUTH
-	06-09-15	Initial Release	PAC	

OUTPUT

Frequency

10 MHz

Level

+13 dBm ±2 dB into 50 ohms

STABILITY

Aging

5 x 10⁻¹⁰ per day
after 30 days operating, typical

Phase Noise L(f)

10 Hz -142 dBc/Hz
100 Hz -162 dBc/Hz
1 kHz -172 dBc/Hz
10 kHz -175 dBc/Hz

Temperature Stability

±5 x 10⁻⁸, 0° to +50°C (Ref +25°C)

Harmonics

≤ -30 dBc

Spurious

≤ -80 dBc, excluding power
supply line related spurs

MECHANICAL

Dimensions

1.75 x 2.94 x 1"

Connectors

SMA(f) and solder pins on side

Packaging

Solder sealed steel can

POWER REQUIREMENTS

Warm-Up Power

≤ 5 Watts for 5 minutes at +25°C

Total Power

≤ 3 Watts at +25°C

Supply Voltage

+15 VDC ±5%

ADJUSTMENT

Mechanical Tuning

±2 x 10⁻⁷

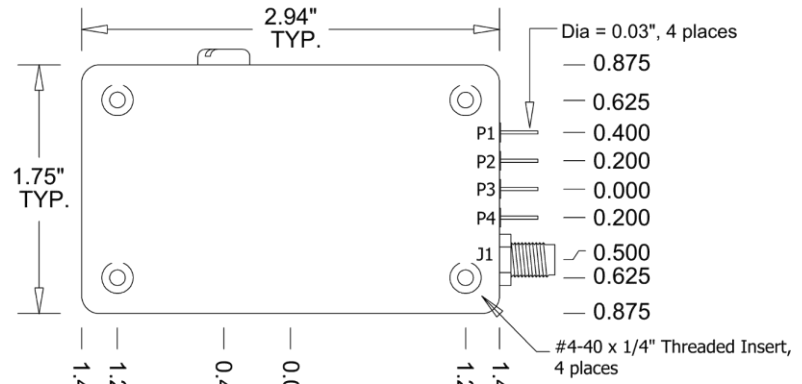
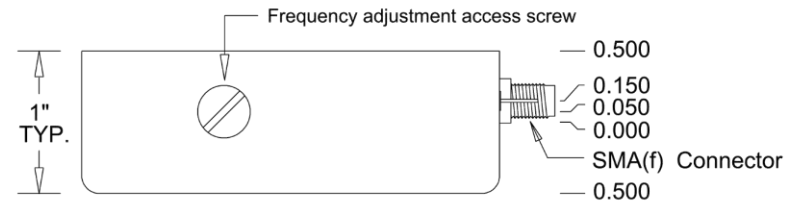
Electrical Tuning

±1 x 10⁻⁶, 0 to +10 VDC
Negative slope

CRYSTAL

Type

10 MHz SC-cut



Connector numbers are for reference only, they do not appear on unit.

Conn	Function
J1	RF Output
P1	N/C
P2	Electrical Tuning
P3	Supply Voltage
P4	Case Ground



Wenzel Associates, Inc.

Austin, Texas

Title:

10 MHz-SC Ultra Low Noise Crystal Oscillator

P/N:

501-29113

Rev:

-

Date:

06-09-15

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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