

OUTPUT

Frequency

5 MHz

Level

+13 dBm ± 2 dB into 50 ohms

STABILITY

Aging

1×10^{-10} per day
after 30 days operating, typical

Phase Noise L(f)

10 Hz -150 dBc/Hz
100 Hz -168 dBc/Hz
1 kHz -172 dBc/Hz
10 kHz -175 dBc/Hz

Temperature Stability

$\pm 1 \times 10^{-8}$, 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 $\pm 5\%$

ADJUSTMENT

Mechanical Tuning

$\pm 2 \times 10^{-7}$

Electrical Tuning

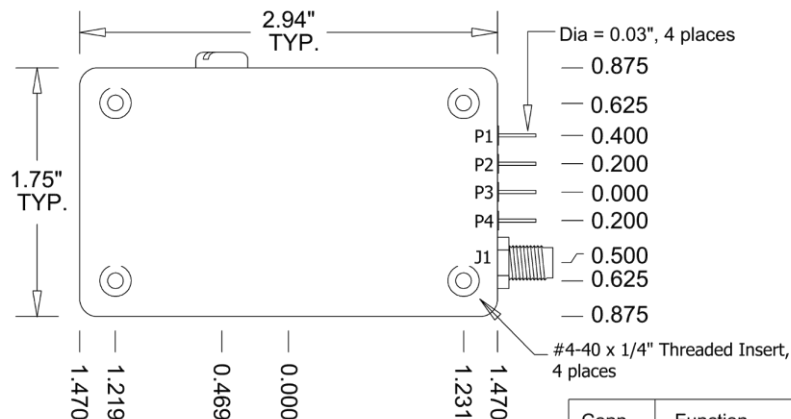
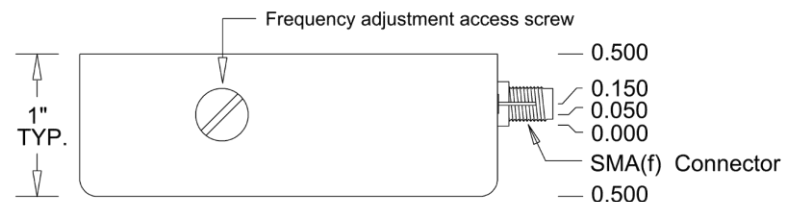
$\pm 1 \times 10^{-6}$, 0 to +10 VDC
Negative slope

CRYSTAL

Type

5 MHz SC-cut

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



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:

5 MHz-SC Ultra Low Noise Crystal Oscillator

P/N:

501-29112

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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