REV	DATE	REVISION RECORD	DWN	AUTH
-	12-2-13	Draft	CB	PAC

OUTPUT

Frequency

5 MHz

Level

+13 dBm ±2dB into 50 ohms

STABILITY

Aging (typical)

3×10^{-10} per day after 30 days operating

5×10^{-8} second year

3×10^{-8} per year, thereafter

Phase Noise L (f)

	Standard	Premium
1 Hz	-115 dBc/Hz	-120 dBc/Hz
10 Hz	-145 dBc/Hz	-150 dBc/Hz
100 Hz	-165 dBc/Hz	-170 dBc/Hz
1 kHz	-174 dBc/Hz	-176 dBc/Hz
10 kHz	-174 dBc/Hz	-176 dBc/Hz

Temperature Stability

E: ±2 x 10^{-8}, 0° to +50°C (Ref +25°C)

F: ±5 x 10^{-8}, -20° to +70°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

≤ 2.5 Watts at +25°C

Supply Voltage

+15 VDC ±5% or +12 VDC ±5%

ADJUSTMENT

(consult factory for non standard tuning options)

Mechanical Tuning

±1 x 10^{-6}

Electrical Tuning

±2 x 10^{-7}, ±5 VDC, Negative slope

CRYSTAL

Type

5 MHz SC-cut

Ordering Options

-xx	Voltage	Phase Noise L(f)	Package	Temp (Ref +25 °C)
01	+15V	Standard	A	E
02	+15V	Standard	A	F
11	+15V	Premium	A	E
12	+15V	Premium	A	F
21	+12V	Standard	A	E
22	+12V	Standard	A	F
31	+12V	Premium	A	E
32	+12V	Premium	A	F

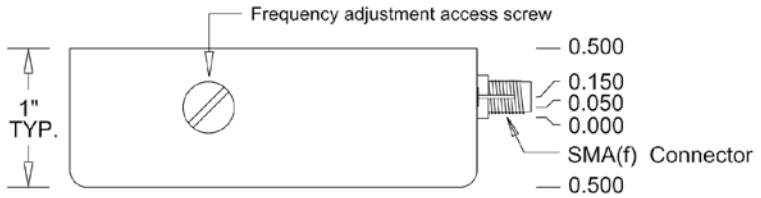
Wenzel Associates, Inc.
Austin, Texas

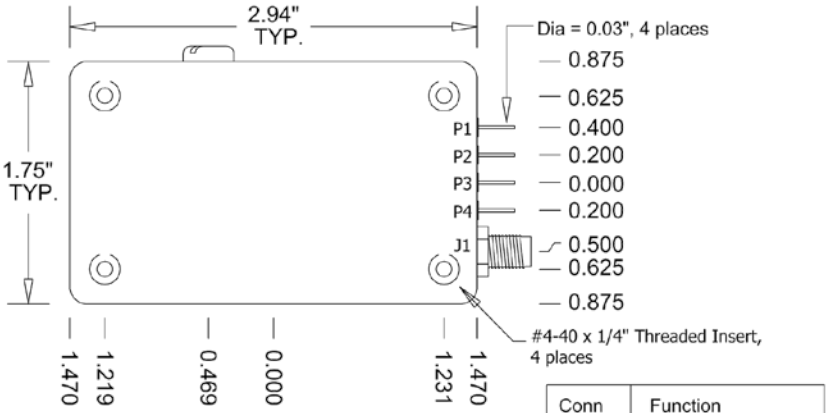
Title:
5 MHz-SC Ultra Low Noise Crystal Oscillator

P/N:	Rev:	Date:	Drawn:	Ref:
501-27520-xx	**-**	**12-2-13**		

Tolerances: (except as noted) Dimensions are in inches	0.XX Dec:	0.XXX Dec:	FSCM:	
	±0.030”	±0.010”	62821	Page 1 of 2

Package A





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

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