

**OUTPUT  
Frequency**

5 MHz

**Level**

+13 dBm ± 2 dB into 50 ohms

**STABILITY**

**Aging (typical)**

5 x 10<sup>-10</sup> per day after 30 days operating

5 x 10<sup>-8</sup> second year

3 x 10<sup>-8</sup> per year, thereafter

**Phase Noise L(f)**

**Standard      Premium**

10 Hz      -135 dBc/Hz      -145 dBc/Hz

100 Hz      -155 dBc/Hz      -160 dBc/Hz

1 kHz      -165 dBc/Hz      -165 dBc/Hz

10 kHz      -165 dBc/Hz      -165 dBc/Hz

**Temperature Stability**

**E:** ±2 x 10<sup>-9</sup>, 0° to +50°C (Ref +25°C)

**F:** ±5 x 10<sup>-9</sup>, -20° to +70°C (Ref +25°C)

**G\*:** ±1.5 x 10<sup>-8</sup>, -55° to +85°C (Ref +25°C)

**Harmonics**

≤ -30 dBc

**Spurious**

≤ -80 dBc, excluding power  
supply line related spurs

**MECHANICAL**

**Packaging**

Solder sealed steel can

**Dimensions**

2" x 2" x 1"

**Connectors / Mounting**

Package A: SMA(f) and solder pins on side;  
threaded inserts, #4-40, 2 places

Package B: Solder pins on base; Thru hole  
PCB Mount

**POWER REQUIREMENTS**

**Warm-Up Power**

≤ 5 Watts for 5 minutes at +25°C

G\*: ≤ 6 Watts for 5 minutes at +25°C

**Total Power**

≤ 2.2 Watts at +25°C

G\*: ≤ 3 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<sup>-6</sup>

**Electrical Tuning**

±2 x 10<sup>-7</sup>, ±5 VDC, Negative slope

**CRYSTAL**

**Type**

10 MHz SC-cut divide by 2

REV	DATE	REVISION RECORD	DWN	AUTH
-	11-05-13	Initial Release	CB	

**Ordering Options**

-XX	Voltage	Phase Noise L(f)	Package	Temp (Ref +25°C)
01	+15V	Standard	A	E
02	+15V	Standard	A	F
03	+15V	Standard	A	G
04	+15V	Standard	B	E
05	+15V	Standard	B	F
06	+15V	Standard	B	G
11	+15V	Premium	A	E
12	+15V	Premium	A	F
13	+15V	Premium	A	G
14	+15V	Premium	B	E
15	+15V	Premium	B	F
16	+15V	Premium	B	G
21	+12V	Standard	A	E
22	+12V	Standard	A	F
23	+12V	Standard	A	G
24	+12V	Standard	B	E
25	+12V	Standard	B	F
26	+12V	Standard	B	G
31	+12V	Premium	A	E
32	+12V	Premium	A	F
33	+12V	Premium	A	G
34	+12V	Premium	B	E
35	+12V	Premium	B	F
36	+12V	Premium	B	G

**Wenzel Associates, Inc.**

Austin, Texas

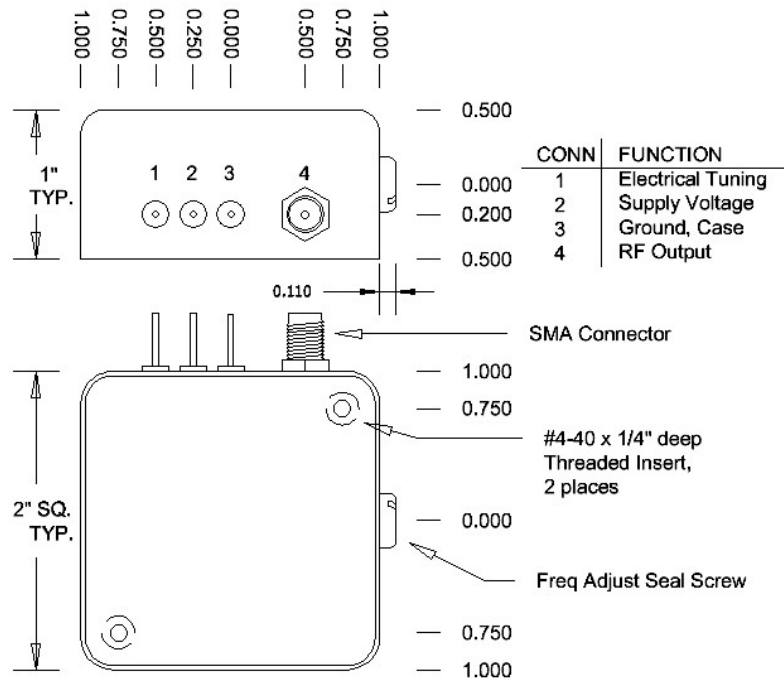
Title:

**5 MHz-SC Streamline Crystal Oscillator**

P/N: <b>501-27500-xx</b>	Rev: -	Date: <b>11-05-13</b>	Drawn:	Ref:
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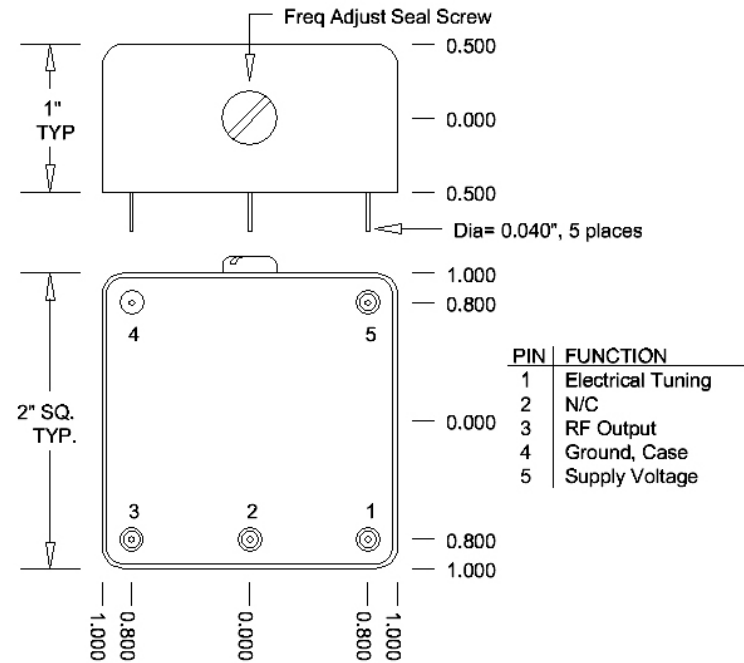
Tolerances: (except as noted) Dimensions are in inches	0.XX Dec: <b>±0.030"</b>	0.XXX Dec: <b>±0.010"</b>	FSCM: <b>62821</b>	Page 1 of 2
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### Package A



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

### Package B



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

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Austin, Texas

Title:

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