

OUTPUT**Frequency**

10 MHz

Level+13 dBm $\pm$ 2 dB into 50 ohms**STABILITY****Aging (typical)**5 x 10⁻¹⁰ per day after 30 days operating5 x 10⁻⁸ second year3 x 10⁻⁸ per year, thereafter**Phase Noise L(f)****Standard****Premium**

10 Hz -130 dBc/Hz -140 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:** $\pm 2 \times 10^{-9}$, 0° to +50°C (Ref +25°C)**F:** $\pm 5 \times 10^{-9}$, -20° to +70°C (Ref +25°C)**G*:** $\pm 1.5 \times 10^{-8}$, -55° to +85°C (Ref +25°C)**Harmonics** $\leq$ -30 dBc**Spurious** $\leq$ -80 dBc, excluding power
supply line related spurs**MECHANICAL****Packaging**

Solder sealed steel can

Dimensions

2" x 2" x 1"

Connectors / MountingPackage A: SMA(f) and solder pins on side;
threaded inserts, #4-40, 2 placesPackage B: Solder pins on base; Thru hole
PCB Mount**POWER REQUIREMENTS****Warm-Up Power** $\leq$ 5 Watts for 5 minutes at +25°CG*: $\leq$ 6 Watts for 5 minutes at +25°C**Total Power** $\leq$ 2.2 Watts at +25°CG*: $\leq$ 3 Watts at +25°C**Supply Voltage**+15 VDC $\pm 5\%$ or +12 VDC $\pm 5\%$ **ADJUSTMENT**(consult factory for non-standard
tuning options)**Mechanical Tuning** $\pm 1 \times 10^{-6}$ **Electrical Tuning** $\pm 2 \times 10^{-7}$, ± 5 VDC, Negative slope**CRYSTAL****Type**

10 MHz SC-cut

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:

10 MHz-SC Streamline Crystal Oscillator

P/N:

501-27501-xx

Rev:

-

Date:

11-05-13

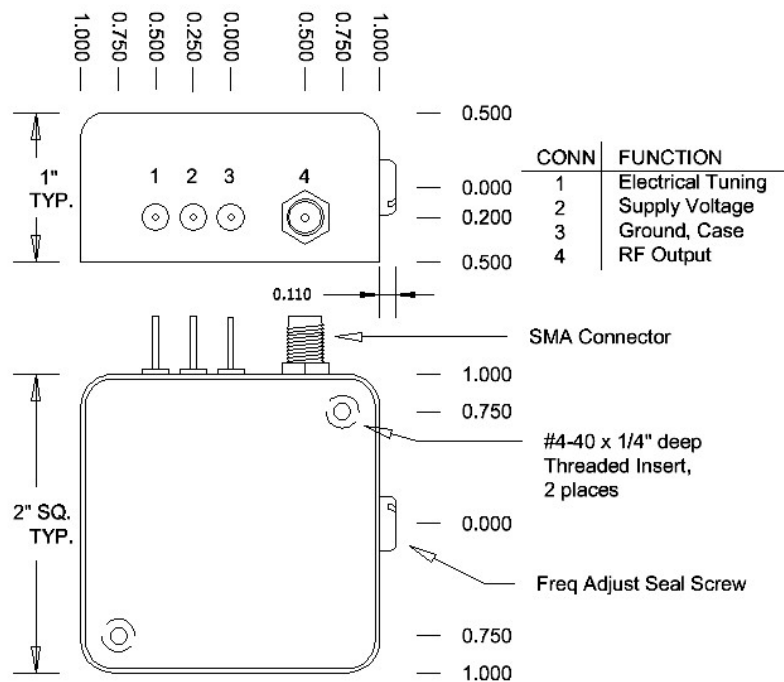
Drawn:

Ref:

Tolerances:
(except as noted)
Dimensions are in inches0.XX Dec:
 ± 0.030 "0.XXX Dec:
 ± 0.010 "FSCM:
62821

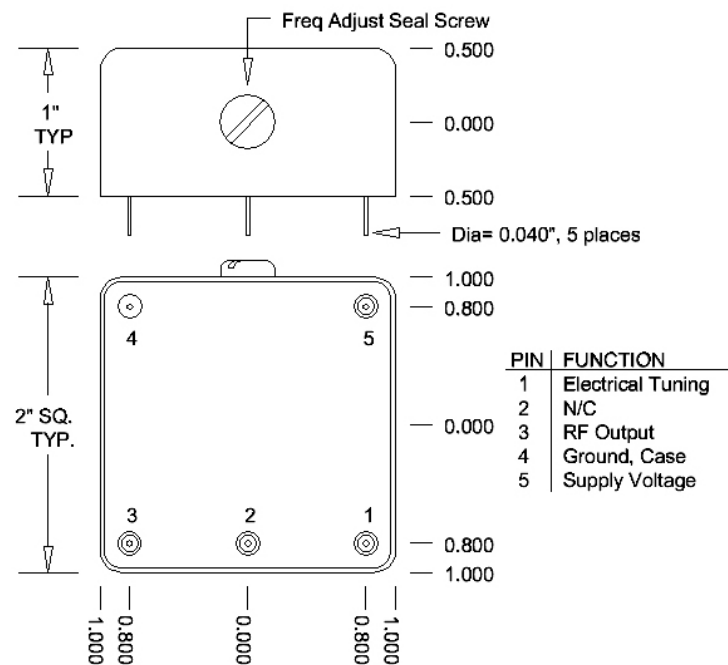
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Package A



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

Package B



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