

**OUTPUT****Frequency**

10 MHz

**Level**+13 dBm  $\pm$  2 dB into 50 ohms**STABILITY****Aging (typical)** $5 \times 10^{-10}$  per day after 30 days operating $5 \times 10^{-8}$  per year, second year $3 \times 10^{-8}$  per year, thereafter**Phase Noise L(f), typical, Static****Standard Premium**

10 Hz -120 dBc/Hz -130 dBc/Hz

100 Hz -140 dBc/Hz -150 dBc/Hz

1 kHz -150 dBc/Hz -160 dBc/Hz

10 kHz -158 dBc/Hz -165 dBc/Hz

**Temperature Stability****E:**  $\pm 1 \times 10^{-8}$ , 0° to +50°C (Ref +25°C)**F:**  $\pm 2 \times 10^{-8}$ , -20° to +70°C (Ref +25°C)**G:**  $\pm 1 \times 10^{-7}$ , -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**

A: 1.44 x 1.13 x 0.75"

B: 2.01 x 1.62 x 0.98"

**Connectors / Mounting**

Solder pins on base; thru-hole PCB Mount

**POWER REQUIREMENTS** $\leq 6$  Watts for 5 minutes at +25°C**Total Power** $\leq 3$  Watts at +25°C**Supply Voltage**+15 VDC  $\pm$  5% or +12 VDC  $\pm$  5%**ADJUSTMENT**(consult factory for non standard  
tuning options)**Electrical Tuning** $\pm 1.5$  ppm, 0 to +10 VDC, typical $\pm 0.3$  ppm at +5 Volts at time of  
shipment**CRYSTAL****Type**

10 MHz SC-cut

REV	DATE	REVISION RECORD	DWN	AUTH
-	12-9-13	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 Compatible Oscillator**

P/N:

**501-27554-xx**

Rev:

**-**

Date:

**12-9-13**

Drawn:

Ref:

10096B

Tolerances:  
(except as noted)  
Dimensions are in inches

0.XX Dec:

 **$\pm 0.030$ "**

0.XXX Dec:

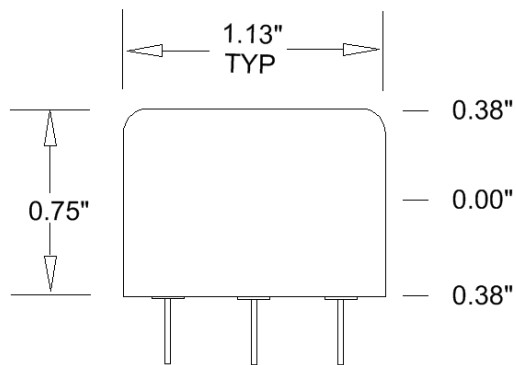
 **$\pm 0.010$ "**

FSCM:

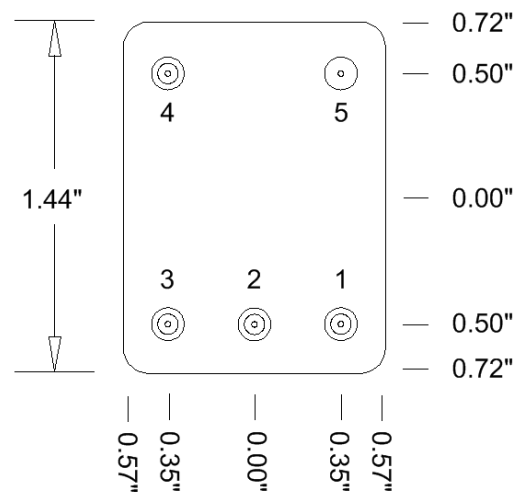
**62821**

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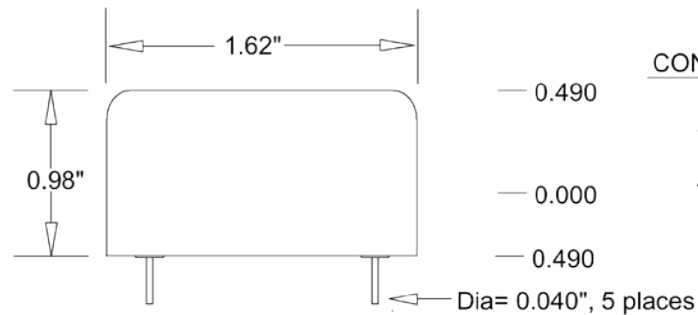
Package A



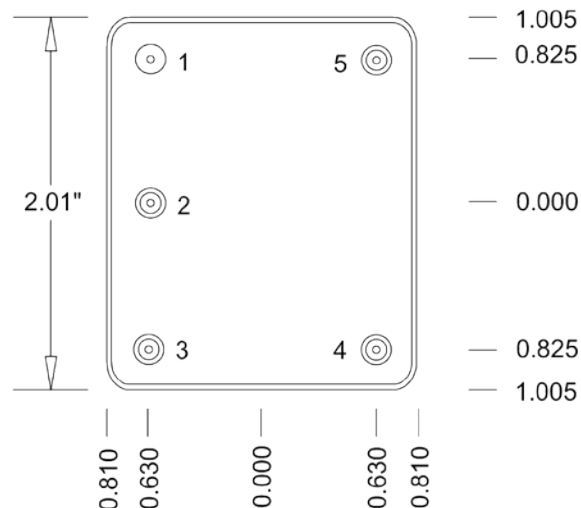
Pin	Function
1	Electrical Tuning
2	N/C
3	Supply Voltage
4	RF Output
5	Ground, Case



Package B



CONN	FUNCTION
1	Ground, Case
2	Electrical Tuning
3	N/C
4	Supply Voltage
5	RF Output



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FSCM:  
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