

OUTPUT**Frequency**

100 MHz

Level+10 dBm $\pm$ 2 dB into 50 ohms, each port**STABILITY****Aging (typical)**1 x 10⁻⁶ per year after 30 days operating5 x 10⁻⁷ second year3 x 10⁻⁷ per year, thereafter**Phase Noise L(f)**

	Standard	Premium
100 Hz	-120 dBc/Hz	-130 dBc/Hz
1 kHz	-150 dBc/Hz	-155 dBc/Hz
10 kHz	-165 dBc/Hz	-165 dBc/Hz
100 kHz	-165 dBc/Hz	-167 dBc/Hz

Temperature StabilityE: $\pm 2 \times 10^{-7}$, 0° to +50°C (Ref +25°C)F: $\pm 5 \times 10^{-7}$, -20 to +70°C (Ref +25°C)G: $\pm 2 \times 10^{-6}$, -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 0.75"

Connectors / MountingSMA(f) and solder pins on side;
threaded inserts, #4-40, 2 places**POWER REQUIREMENTS****Warm-Up Power** $\leq$ 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****Mechanical Tuning** $\pm 4 \times 10^{-6}$ **Electrical Tuning** $\pm 5 \times 10^{-7}$, ± 5 VDC, Negative slope**CRYSTAL****Type**

100 MHz SC-cut

REV	DATE	REVISION RECORD	DWN	AUTH
-	08-24-16	Initial Release	BH	

Ordering Options

-XX	Voltage	Phase Noise L(f)	Temp (Ref +25°C)
01	+15V	Standard	E
02	+15V	Standard	F
03	+15V	Standard	G
11	+15V	Premium	E
12	+15V	Premium	F
13	+15V	Premium	G
21	+12V	Standard	E
22	+12V	Standard	F
23	+12V	Standard	G
31	+12V	Premium	E
32	+12V	Premium	F
33	+12V	Premium	G

**Wenzel Associates, Inc.**

Austin, Texas

Title:

100 MHz-SC Dual Sprinter Crystal Oscillator

P/N:

501-30292-XX

Rev:

-

Date:

08-24-16

Drawn:

Ref:

Tolerances:
(except as noted)
Dimensions are in inches

0.XX Dec:

 ± 0.030 "

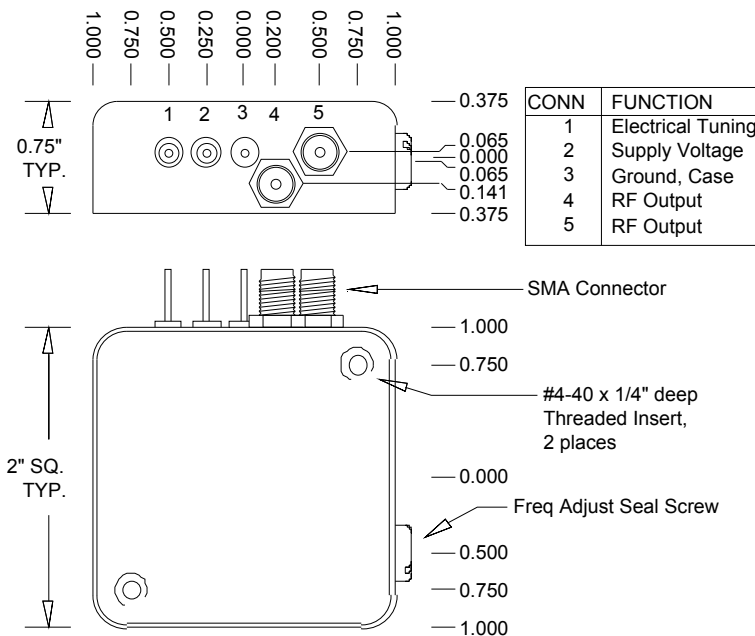
0.XXX Dec:

 ± 0.010 "

FSCM:

62821

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

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