

OUTPUT**Frequency**

5 MHz

Level

+13 dBm ± 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 -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 10⁻⁹, 0° to +50°C (Ref +25°C)**F:** ±5 x 10⁻⁹, -20° to +70°C (Ref +25°C)**G*:** ±1.5 x 10⁻⁸, -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 4"

Connectors

SMA(f) and 7 pin header

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 10⁻⁶**Electrical Tuning**±2 x 10⁻⁷, ±5 VDC, Negative slope**CRYSTAL****Type**

10 MHz SC-cut divide by 2

REV	DATE	REVISION RECORD	DWN	AUTH
-	12-2-13	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
11	+15V	Premium	A	E
12	+15V	Premium	A	F
13	+15V	Premium	A	G
21	+12V	Standard	A	E
22	+12V	Standard	A	F
23	+12V	Standard	A	G
31	+12V	Premium	A	E
32	+12V	Premium	A	F
33	+12V	Premium	A	G

**Wenzel Associates, Inc.**

Austin, Texas

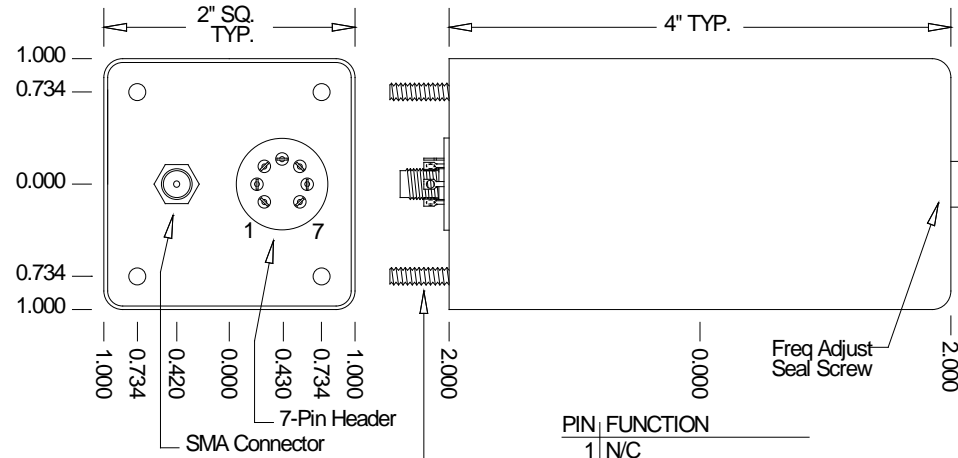
Title:

5 MHz-SC Timekeeper Crystal Oscillator

P/N: 501-27516-xx	Rev: -	Date: 12-2-13	Drawn:	Ref:
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Tolerances: (except as noted) Dimensions are in inches	0.XX Dec: ±0.030"	0.XXX Dec: ±0.010"	FSCM: 62821	Page 1 of 2
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Package A



#6-32 x 1/2" mounting stud,
4 places
Connector numbers are for reference only,
they are not marked on unit.

PIN	FUNCTION
1	N/C
2	Ground, Case
3	Ground, Case
4	Supply Voltage
5	NC
6	Electrical Tuning
7	Ground, Case

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