

OUTPUT

Frequency

30 MHz

Level

+13 dBm \pm 2 dB into 50 ohms

STABILITY

Aging (typical)

1×10^{-6} per year after 30 days operating

5×10^{-7} second year

3×10^{-7} per year, thereafter

Phase Noise L(f)

100 Hz -135 dBc/Hz

1 kHz -158 dBc/Hz

10 kHz -165 dBc/Hz

100 kHz -167 dBc/Hz

Temperature Stability

$\pm 2 \times 10^{-7}$, 0° to +50°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 0.75"

Connectors / Mounting

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

POWER REQUIREMENTS

Warm-Up Power

≤ 5 Watts for 5 minutes at +25°C

Total Power

≤ 2.2 Watts at +25°C

Supply Voltage

+15 VDC $\pm 5\%$

ADJUSTMENT

(consult factory for non-standard
tuning options)

Mechanical Tuning

$\pm 4 \times 10^{-6}$

Electrical Tuning

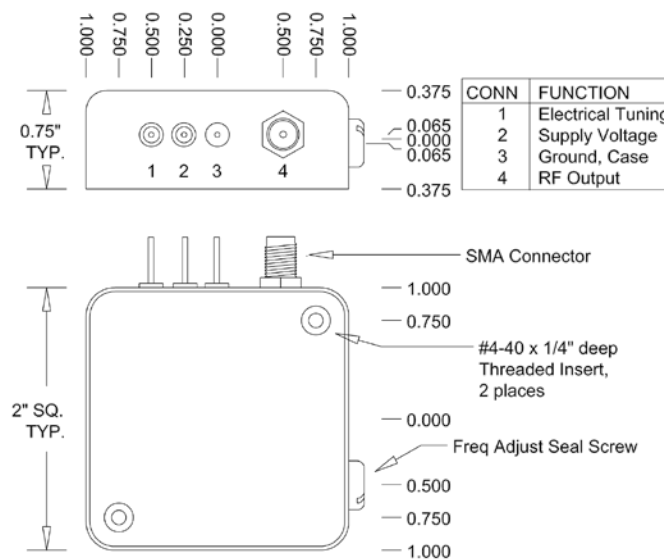
$\pm 5 \times 10^{-7}$, ± 5 VDC, Negative slope

CRYSTAL

Type

30 MHz SC-cut

REV	DATE	REVISION RECORD	DWN	AUTH
-	03-11-15	Initial Release	CB	



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



Wenzel Associates, Inc.

Austin, Texas

Title:

30 MHz-SC Sprinter Crystal Oscillator

P/N:

501-28852

Rev:

-

Date:

03-11-15

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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