

OUTPUTS

Frequency

5 MHz

Level

+12 dBm $\pm$ 2 dB into 50 ohms

Frequency

100 MHz

Level

+12 dBm $\pm$ 2 dB into 50 ohms

STABILITY

Aging

5×10^{-10} per day after 30 days operating,
typical

Phase Noise L(f)

5 MHz

100 MHz

10 Hz -145 dBc/Hz -115 dBc/Hz

100 Hz -165 dBc/Hz -135 dBc/Hz

300 Hz -168 dBc/Hz -138 dBc/Hz

1 KHz -170 dBc/Hz -150 dBc/Hz

10 KHz -170 dBc/Hz -170 dBc/Hz

Temperature Stability

$\pm 2 \times 10^{-8}$, 0° to +50°C (Ref +25°C)

Sub-Harmonics and related products

<-60 dBc

Harmonics

<-25 dBc

MECHANICAL

Dimensions

5 x 6 x 2.62"

Connectors

SMA F and feedthru capacitors

Packaging

Aluminum housing with extended
mounting cover and gasketed
access screw

POWER REQUIREMENTS

Warm-Up Power

<18 Watts max for 5 minutes

Total Power

<11 Watts at +25°C

Supply Voltage

+15 VDC

ADJUSTMENT

Electrical Tuning

$\pm 1 \times 10^{-6}$, ± 5 VDC

CRYSTAL

Type

SC-cut

OTHER

Marking

Label connectors

TEST DATA

Output Level

Temp. Stability

Phase Noise

Electrical Tuning

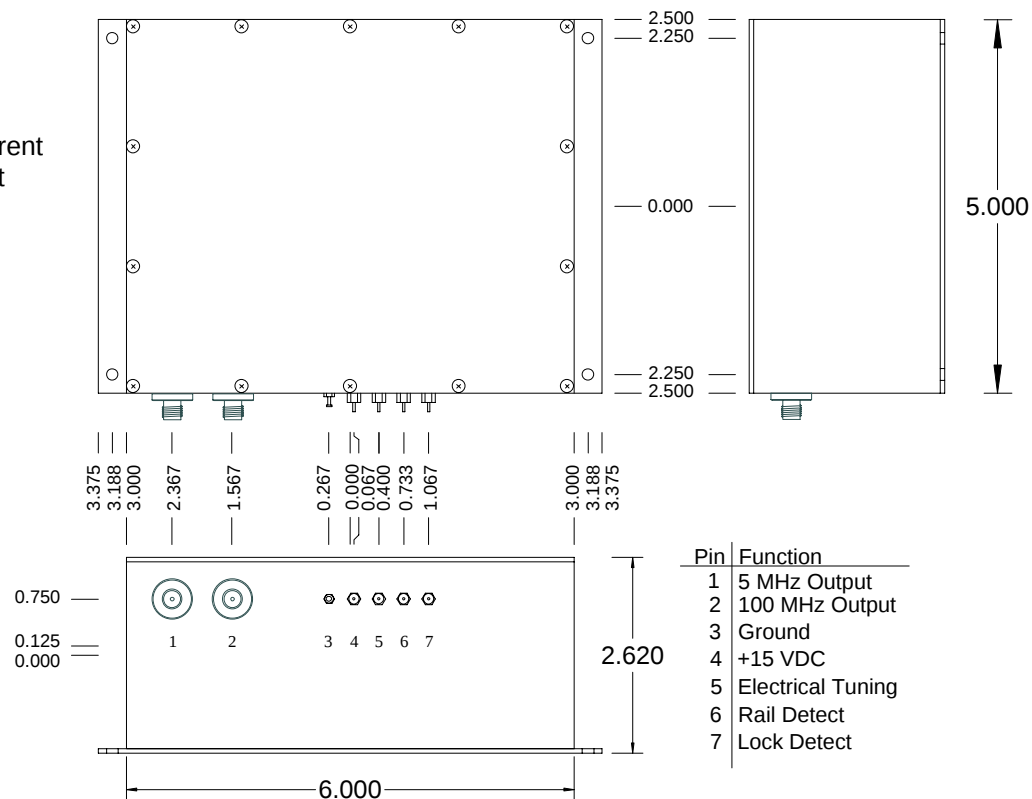
Steady State Current

Warm-Up Current

Harmonics

Sub-Harmonics

Mounting hole dia. = 0.156", 4 places



Wenzel Associates, Inc.

Austin, Texas

Title:

5 and 100 MHz-SC Sorcerer Phase Locked Source

P/N:

501-17341

Rev:

-

Date:

03-19-07

Drawn:

Ref:

500-13164F

Tolerances:
(except as noted)
Dimensions are in inches

0.XX Dec:

± 0.030 "

0.XXX Dec:

± 0.010 "

FSCM:

62821

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