OUTPUTS

<table>
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<tr>
<th>No. of Outputs</th>
<th>Frequency</th>
<th>Level (into 50Ω)</th>
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<tr>
<td>1</td>
<td>4.0 GHz</td>
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<tr>
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STABILITY

Aging

$5 \times 10^{-7}$ per year

after 30 days operating, typical

Warm-up Time

1 hour, maximum: 15 minutes, typical (@ +25°C)

Phase Noise $L(f)$, dBc/Hz

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Harmonics

$\leq -25$ dBc

Sub-Harmonics

$\leq -60$ dBc

Spurious

$\leq -80$ dBc, excluding power supply line related spurs

CRYSTAL

Type

100 MHz SC-cut

MIXER

Marki M2B-0218

ENVIRONMENT

Operating Temperature

Lab Environment, +15°C to +35°C

Storage Temperature

-20°C to +70°C

ADJUSTMENT

Electrical Tuning Input

$\pm 3$ PPM minimum, 0 to +10 Volts

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POWER REQUIREMENTS

External AC/DC Power Adapter Provided

AC Input to Adapter: 100 to 240 VAC, 50/60 Hz

3 pole AC inlet IEC320-C14

DC Output from Adapter: +18 VDC

DC Maximum Load: 3.33 Amp, max

CE/UL Certified

DC Power Cord (6 ft.)

AC Power Cord (6 ft.)

Supply Voltage to Rear of Chassis

+18 VDC ±3%

(Internal filtered and regulated)

Current Draw

3 Amps, max

MECHANICAL

Dimensions

Wenzel G300-F L021716091, Protocase L021716091-47491-1

8 x 12 x 1.72”

Connectors

RF Outputs: SMA(f), front panel

Mixer Inputs/Output: SMA(f), front panel

Electrical Tuning: BNC(f), front panel

DC Supply: Center Positive Barrel Connector, rear panel – J1

Front Panel

Painted Black with White Lettering

Monitoring

LED provided on front panel for:

- POWER (DC Input Power – Green = ON)

OTHER

Test Data

Output Levels, Phase Noise, Harmonics, Subs, Spurious

Wenzel Associates, Inc.

Austin, Texas

Title:

4 GHz, 8 GHz and 12 GHz Golden Frequency Source for Mixing

P/N: 501-31058

Rev: - 07-14-17

Drawn: -

Ref: 29762c

Tolerances (except as noted)

Dimensions are in inches

-XX Dec: +0.030”

-XXX Dec: +0.010”

FSCM: 62821

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