

**INPUT**

**Frequency**

10 MHz

**Input Level**

+7 dBm ±5 dB into 50 ohms

**OUTPUT**

**Frequency**

(1) 81.25 MHz; +10 dBm ±2 dB into 50 ohms

(1) 1.3 GHz; +10 dBm ±2 dB into 50 ohms

**STABILITY**

**Output Phase Noise, dBc/Hz**

	81.25 MHz	1.3 GHz
10 Hz	-93	-69
100 Hz	-123	-99
1 kHz	-154	-130
10 kHz	-168	-144
100 kHz	-168	-144

**Temperature Stability**

±5 x 10<sup>-7</sup>, 0° to +50°C (Ref +25°C), free-running

**Harmonics**

≤ -25 dBc

**Sub-Harmonics**

≤ -50 dBc

**Non-Harmonic Spurious**

≤ -70 dBc, excluding power supply line related spurs

**POWER REQUIREMENTS**

**Supply Voltage**

+18 VDC ±5%

(Regulated to +15 VDC on plate)

**Warm-up Power**

≤ 14 Watts for 5 minutes at +25°C

**Total Power**

≤ 11 Amps at +25°C

**MECHANICAL**

**Package**

RF modules mounted on aluminum plate

**Dimensions**

9" x 6" x 1.5", max

**Connectors**

RF Input/Outputs: SMA(f)

(Located on first and last modules in string)

DC Power: Terminal block

**Mounting**

Thru holes on plate, 0.166" diam., 6 places

**OTHER**

**Test Data**

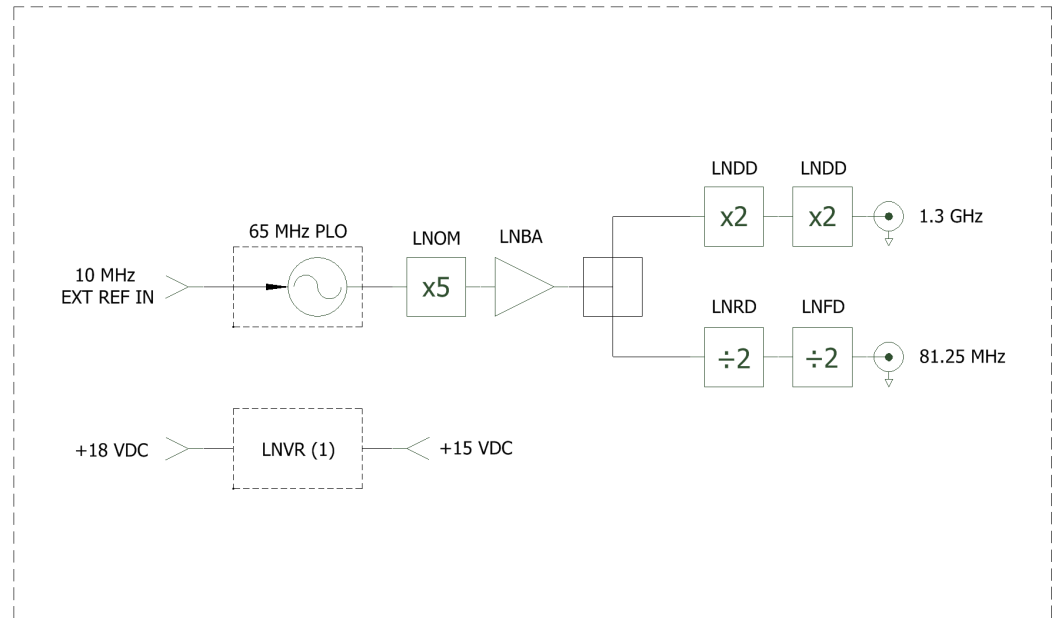
Output Power Level

Output Phase Noise

Temperature Stability

Harmonics, Subs, Spurious

REV	DATE	REVISION RECORD	DWN	AUTH
-	03-03-14	Initial Release	PAC	



**Wenzel Associates, Inc.**

Austin, Texas

Title:

**81.25 MHz and 1.3 GHz Master Oscillator Plate**

P/N:

**501-26726**

Rev:

-

Date:

**03-03-14**

Drawn:

Ref:

14190

Tolerances:  
(except as noted)  
Dimensions are in inches

0.XX Dec:

±0.030"

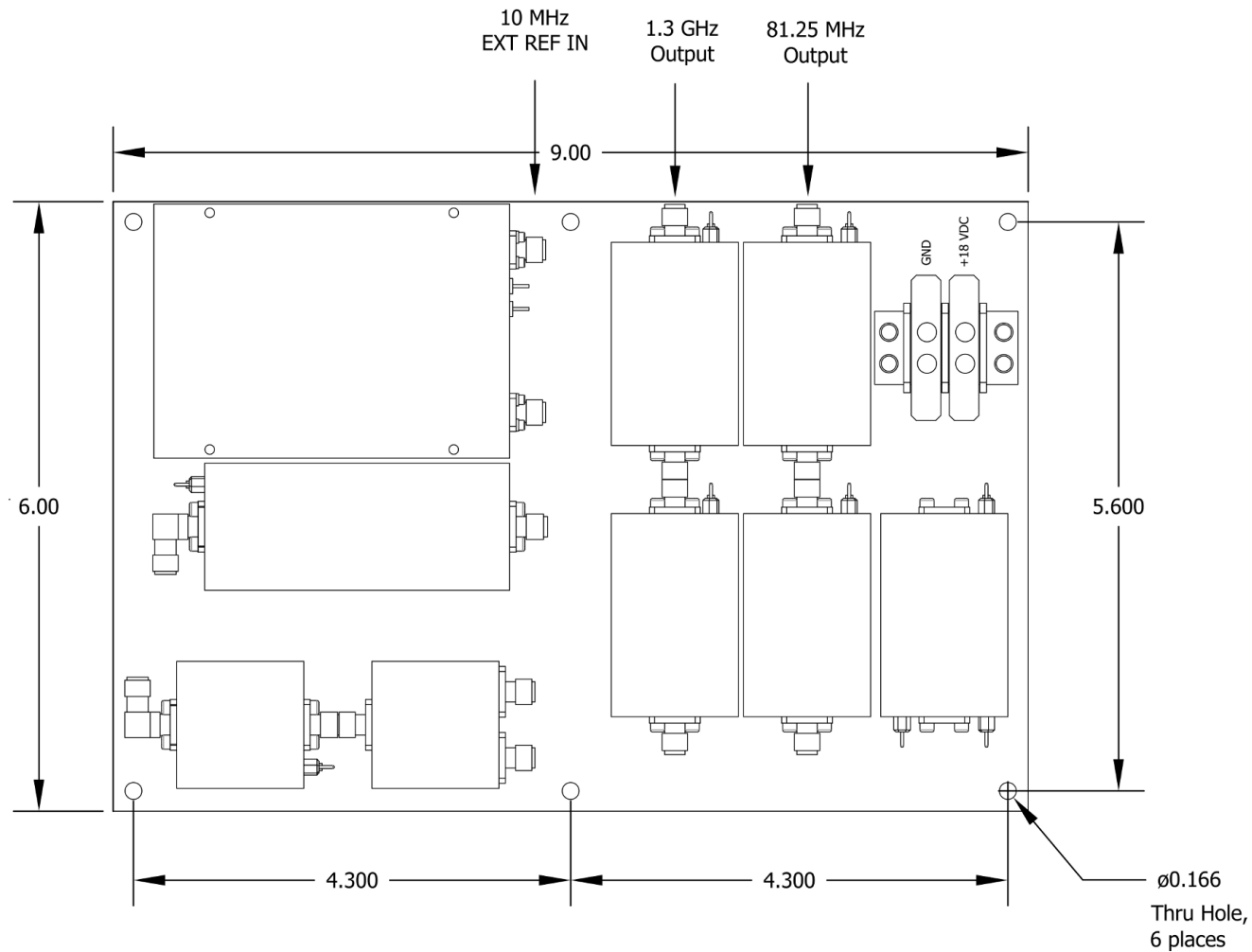
0.XXX Dec:

±0.010"

FSCM:

62821

Page 1 of 2



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Page 2 of 2