

OUTPUT**Frequency**

- (1) 10 MHz
- (1) 100 MHz
- (1) 1 GHz

Level

+10 dBm minimum into 50 ohms, each frequency

STABILITY**Aging**

1×10^{-9} per day after 30 days operating, typical

Phase Noise L(f)

	10 MHz	100 MHz	1 GHz
10 Hz	-140	-115	-95
100 Hz	-160	-135	-113
1 kHz	-169	-155	-133
10 kHz	-171	-173	-151
100 kHz	-171	-174	-153

Temperature Stability

$\pm 1 \times 10^{-8}$, +25 $\pm 5^\circ\text{C}$, laboratory environment

Harmonics

-25 dBc

Sub-Harmonics and Products of 5 and 100 MHz

-50 dBc

Spurious

-80 dBc, excluding power supply line related spurs

POWER REQUIREMENTS**Supply Voltage**

+15 VDC $\pm 5\%$, low nV/root-Hz, <50 mVp-p ripple

Warm-Up Power

< 25 Watts for 10 minutes at +25 $^\circ\text{C}$

Total Power

< 18 Watts at +25 $^\circ\text{C}$

ADJUSTMENT**Mechanical Tuning**

(Available on 5 MHz ULN)

$\pm 1 \times 10^{-6}$

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

MECHANICAL**Package**

RF modules and oscillators mounted on an aluminum plate

Dimensions

8" x 15" x 3", max

Connectors

RF Outputs: SMA(f), located on final module in string
DC Power: Terminal block

Mounting

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

OTHER**Test Data**

Output Levels
Phase Noise
Harmonics, Subs, Spurious



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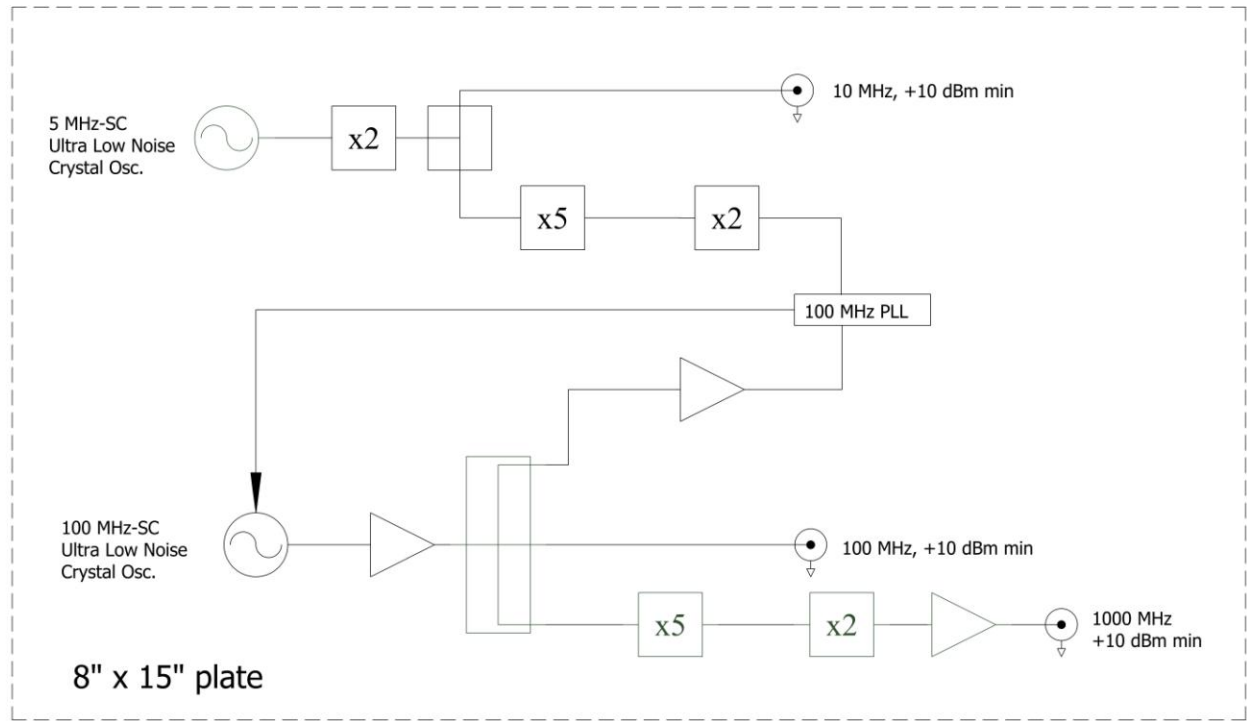
Austin, Texas

Title:

10 MHz, 100 MHz, and 1 GHz Plate Assembly

P/N: 501-26725	Rev: -	Date: 03-03-14	Drawn:	Ref: 22388 09604
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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 1
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