

OUTPUT

Frequency

5 MHz: 3 outputs
 10 MHz (5 x 2): 3 outputs
 100 MHz: 3 outputs

Level

+13 ±2 dBm into 50 ohms

STABILITY (Unlocked)

Aging

5 x 10⁻¹⁰ per day at time of shipment
 without aging correction

Warm-Up

24 hours to 1 x 10⁻⁹ of frequency after 48 hours

Phase Noise L(f) in dBc/Hz

	5 MHz	10 MHz	100 MHz
1 Hz	-120	-112	-90
10 Hz	-150	-142	-118
100 Hz	-170	-162	-130
300 Hz	-173	-165	-135
1 kHz	-174	-169	-150
10 kHz	-174	-169	-170
20 kHz	-174	-169	-174

Temperature Stability

±2 x 10⁻⁹, 0° to +50°C

Sub-Harmonics and Products of 5 MHz

-40 dBc

MECHANICAL

Dimensions

19" rack mount, 17 x 13 x 3.5"

RF Connectors

SMA(f)

AC Supply

IEC-320, EMI filtered, switched, and fused

POWER REQUIREMENTS

Warm-Up Power

TBD

Supply Voltage

115 or 220 VAC 50/60 Hz

ADJUSTMENT

Mechanical Tuning

±1 x 10⁻⁶

OTHER

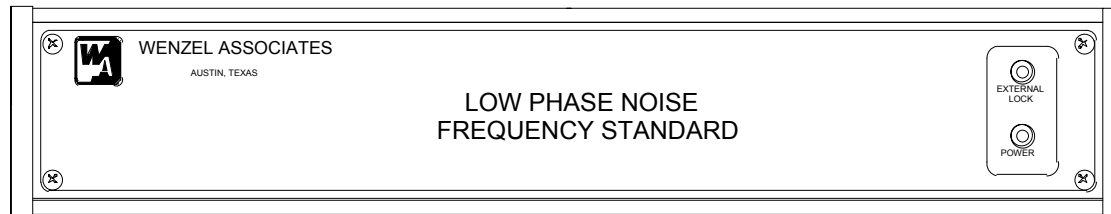
INPUT-External Reference

Frequency

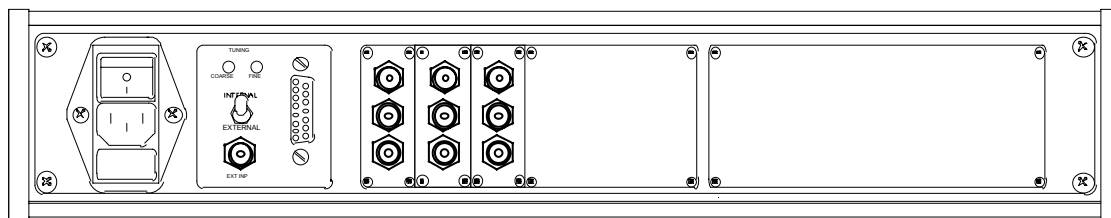
5 or 10 MHz input, +1 to +15 dBm into 50 ohms
 Auto selects when signal is present

REV	DATE	REVISION RECORD	DWN	AUTH
-	01-09-03	Draft	KH	BH
A	08-07-06	Warm-Up, Warm-Up Power	YR	BH


Front Panel



Rear Panel



PIN	Function
1	Phase lock alarm
2	N/C
3	N/C
4	EXT Ref detect
5	INT Ref detect
6	GND

 Wenzel Associates, Inc. Austin, Texas				
Title:				
5, 10, & 100 MHz Wizard V Frequency Standard				
P/N:	Rev:	Date:	Drawn:	Ref:
501-10303	A	08-07-06		500-10099
Tolerances: (except as noted) Dimensions are in inches		0.XX Dec: ±0.030"	0.XXX Dec: ±0.010"	FSCM: 62821
				Page 1 of 1