



BluePhase Source

Ultra Low Phase Noise Frequency Source

WA5000

5 MHz and 10 MHz outputs standard

Option 1

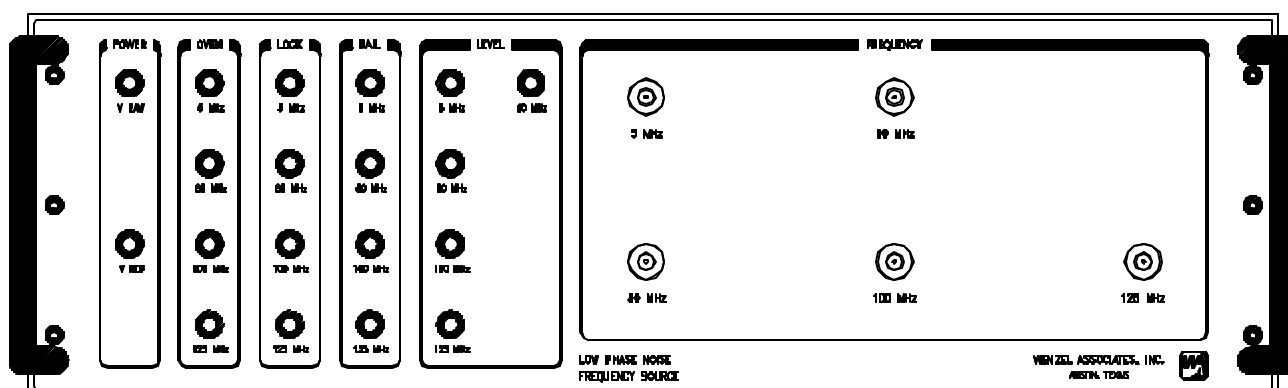
80 MHz output

Option 2

100 MHz output

Option 3

125 MHz output



OUTPUTS

	5 MHz	+13 dBm $\pm$ 2 dB into 50 Ω	(one front/one rear output)
	10 MHz	+13 dBm $\pm$ 2 dB into 50 Ω	(one front/one rear output)
(Opt. 1)	80 MHz	+13 dBm $\pm$ 2 dB into 50 Ω	(one front/one rear output)
(Opt. 2)	100 MHz	+13 dBm $\pm$ 2 dB into 50 Ω	(one front/one rear output)
(Opt. 3)	125 MHz	+13 dBm $\pm$ 2 dB into 50 Ω	(one front/one rear output)

HARMONICS $\leq$ -25 dBc

SUB-HARMONICS $\leq$ -60 dBc

SPURIOUS $\leq$ -80 dBc

PHASE NOISE L(F)	1 Hz	10 Hz	100 Hz	1 KHz	10 KHz	100 KHz
5 MHz	-120 dBc	-150 dBc	-168 dBc	-173 dBc	-174 dBc	-174 dBc
10 MHz	-113 dBc	-143 dBc	-160 dBc	-166 dBc	-168 dBc	-168 dBc
(Opt. 1) 80 MHz	-92 dBc	-105 dBc	-132 dBc	-158 dBc	-172 dBc	-173 dBc
(Opt. 2) 100 MHz	-90 dBc	-103 dBc	-130 dBc	-156 dBc	-172 dBc	-173 dBc
(Opt. 3) 125 MHz	-84 dBc	-97 dBc	-124 dBc	-154 dBc	-172 dBc	-173 dBc

TUNING INPUT 5 or 10 MHz reference, +13 dBm $\pm$ 2 dB into 50 Ω ,, or
Electrical Tuning, 0 to +10 VDC

ENVIRONMENT Laboratory Environment
0 to +50°C Operating Temperature

TEMPERATURE STABILITY $\pm 5 \times 10^{-7}$

MECHANICAL

Size	Standard 19" rack mount, 22 deep, 5.25" high
RF Connectors	SMA female
AC Connector	IEC-320, EMI filtered, switched, and fused

POWER

Warm-up Time	1 hour, maximum; 15 minutes, typical (@ +25°C)
AC Power Supply	115 VAC, 50/60 Hz

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Model
WA5000

Rev.
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