



RF Systems and Synthesizers > Racked Mounted Chassis Assemblies > WA5000

Features:

- 120 VAC or +18 VDC
- Ultra Low Phase Noise
- Various Frequency Output Options
- 3U 19" Rack Mount

Applications:

- Noise Reference
- Frequency Reference



The WA5000 Frequency Standard is an ultra low noise frequency source that generates and distributes 5, 10, 80, 100, and 125 MHz signals. Outputs are organized in groups of one output on the front panel and one output on the rear panel, and are easily custom tailored. The system also incorporates power, oven, lock, rail, and level LED detectors for monitoring purposes.

Typical Specifications:		
Frequency (Standard)	5, 10 MHz	
Option 1	Standard plus 80 MHz	
Option 2	Standard plus 100 MHz	
Option 3	Standard plus 125 MHz	
Output Level	+13 +/- 2 dB	dBm
Harmonics	<-30	dBc
Sub-Harmonics	<-60	dBc
Spurious	<-80	dBc
Tuning Input (ET)	0 to +10	VDC
Environment Operational	Lab 0 to +50°C	
Crystal Type	SC	
Mechanical		
Size	Stand. 19" Rack mount, 22" deep, 3U	
RF Connectors	SMA Female	
AC Connector	IEC-320, EMI filtered, switched, and fused	
Power		
Warm-up Time	1 hr., max, 15 min. typical @ +25°C	
AC Power Supply	115 VAC, 50/60 Hz	

Phase Noise Options:					
Select Phase Noise					
dBc/Hz	5 MHz	10 MHz	80 MHz	100 MHz	125 MHz
1 Hz	-120	-113	-92	-90	-84
10 Hz	-150	-143	-105	-103	-97
100 Hz	-168	-160	-132	-130	-124
1 KHz	-173	-166	-158	-156	-154
10 KHz	-174	-168	-172	-172	-172
100 KHz	-174	-168	-173	-173	-172