

KEYSIGHT TECHNOLOGIES (AGILENT HP)

N5193A

The Keysight N5193A UXG is a high-performance agile signal generator designed specifically for aerospace/defense applications, electronic warfare (EW) threat simulation, and radar testing. Its defining feature is ultra-fast, phase-coherent frequency and amplitude switching, allowing it to accurately simulate complex, dense threat environments. The UXG provides frequency coverage up to 40 GHz and supports advanced pulse modulation and wideband chirp generation.

SPECIFICATIONS

Frequency

Minimum Frequency	10 MHz Hz
Maximum Frequency	40 GHz Hz

Output

Output Impedance	50 Ω (nominal)
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Modulation

Modulation	AM, FM, PM, Pulse, Chirp
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General

Interfaces	LAN, GPIB, USB
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Physical

Power Supply	100-120 VAC (50/60/400 Hz), 220-240 VAC (50/60 Hz)
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Frequency Specifications

Frequency Switching Speed (List Mode)	< 250 ns (down to 170 ns typical)
Phase Control	Phase-coherent switching supported

Amplitude and Output Power

Amplitude Switching Speed	< 250 ns
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Agile Control and Sweep

Wideband Chirp	Supported (option dependent)
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Physical and Power Characteristics

Form Factor	3U Rackmount
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Environmental

Operating Temperature	0 °C to 55 °C
Storage Temperature	-40 °C to 70 °C

Performance

Amplitude Resolution	0.01 dB
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TECHNOLOGY

Agile Signal Generator

APPLICATIONS

Electronic Warfare (EW) Simulation, Radar Test, Aerospace & Defense

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.