

KEYSIGHT TECHNOLOGIES (AGILENT HP)

5361B

The Keysight (Agilent/HP) 5361B is a high-performance 40 GHz Pulse/CW Microwave Counter designed for precise characterization of radar, electronic warfare (EW), and communication signals. It combines high-speed pulse measurement with CW counting capabilities, offering advanced features like frequency profiling to capture transients, chirp modulation, and linearity without needing a separate pulse generator or computer.

SPECIFICATIONS

General

Interfaces	GPIB (HP-IB)
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Frequency & Measurement Range

Frequency Range Channel 1	10 Hz - 525 MHz
Frequency Range Channel 2	500 MHz - 40 GHz
Pulse Frequency Range	500 MHz - 40 GHz
CW Frequency Range	500 MHz - 40 GHz
Pulse Width Range	60 ns - CW
Pulse Repetition Frequency Range	50 Hz - 2 MHz

Input Characteristics (Low Frequency)

Connector Type (Ch 1)	BNC female
Sensitivity (Ch 1)	25 mV rms

Input Characteristics (Microwave)

Connector Type (Ch 2)	Precision 2.4 mm (male)
Input Impedance (Ch 2)	50 Ω nominal
Input Coupling (Ch 2)	AC
Maximum Input Level (Ch 2)	+7 dBm (pulsed), +5 dBm (CW)
Damage Level (Ch 2)	+25 dBm peak

Pulse Profile & Gating

Minimum Pulse Width	60 ns
Minimum PRF	50 Hz

Resolution & Accuracy

External Reference Input Frequency	1, 2, 5, or 10 MHz
External Reference Output Frequency	10 MHz

Options

Option 026 Frequency Range Extension	Extends Channel 2 upper limit to 26.5 GHz
Option 040 Frequency Range Extension	Extends Channel 2 upper limit to 40 GHz

Reference Oscillator

Internal Timebase Frequency	10 MHz
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TECHNOLOGY

Pulse/CW Frequency Counter

APPLICATIONS

Radar, EW, and RF/microwave communications testing

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