

KEYSIGHT TECHNOLOGIES (AGILENT HP)

E8361A

The Keysight / Agilent E8361A is a high-performance 2-port Vector Network Analyzer (VNA) in the PNA Series, operating from 10 MHz to 67 GHz. It is engineered to provide an exceptional combination of speed and precision for the demanding test requirements of high-frequency microwave components, delivering 94 dB of dynamic range at 67 GHz.

SPECIFICATIONS

General

Interfaces	LAN, GPIB, USB
Display	8.4-inch color LCD touch screen
Warm-up Time	90 minutes (for specified performance)

Physical

Power Supply	100 - 240 VAC, 50/60 Hz
Operating Temperature	0 to 40 °C °C

System Performance

Frequency Range	10 MHz - 67 GHz
Frequency Resolution	1 Hz
Test Port Impedance	50 Ω (nominal)
Test Port Connector Type	1.85 mm (male)
Number of Ports	2

Measurement Capabilities

Measured Parameters	S11, S21, S12, S22
IF Bandwidth Settings	1 Hz - 40 kHz

Rear Panel Interfaces

GPIB Interface	IEEE-488.2
External Reference Input (10 MHz)	BNC (female)
External Reference Output (10 MHz)	BNC (female)

Options and Configurations

Time Domain Analysis	Option 010
Configurable Test Set	Option 014
Frequency Offset Mode	Option 080
Source Attenuator	Option UNL

Architecture	
Receiver Architecture	4 independent receivers (R1, R2, A, B)
Sweep & Trigger	
Sweep Types	Linear frequency, log frequency, power, CW, segmented
Calibration	
Calibration Types	SOLT, TRL, LRM, ECal support
Error Correction Methods	Full 2-port, 1-port, response, enhanced response
Data Analysis	
Markers	10 independent markers per trace
Limit Lines	Standard, for pass/fail testing
Frequency	
Frequency Reference Accuracy (Standard)	± 1 ppm
Source	
Source Power Resolution	0.01 dB
Inputs & Outputs	
Auxiliary Input Voltage Range	± 10 VDC
Software & Control	
Programming Interfaces	SCPI, COM/DCOM
Environmental	
Operating Altitude	Up to 3000 meters (9842 ft)
Storage Temperature	-40 to +70 °C
TECHNOLOGY	
Vector Network Analyzer	
APPLICATIONS	
Microwave and millimeter-wave component testing, high-frequency device characterization	

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