

KEYSIGHT TECHNOLOGIES (AGILENT HP)

E8364B

The Agilent (Keysight) E8364B is a 2-port Vector Network Analyzer from the PNA Series, operating from 10 MHz to 50 GHz. It is designed for high-performance microwave network analysis and advanced component testing, delivering precise S-parameter measurements with 104 dB of dynamic range.

SPECIFICATIONS

General

Interfaces	GPIB, LAN (10/100 Base-T), USB, VGA, Parallel, Serial
------------	---

System Performance

Frequency Range	10 MHz - 50 GHz
Frequency Resolution	1 Hz
System Impedance	50 Ω
System Dynamic Range	104 dB @ 50 GHz
Measurement Speed	< 26 μ s / point

Test Port Characteristics

Number of Test Ports	2
Test Port Connector Type	2.4 mm (male)

Measurement Capabilities & Display

Measurement Parameters	S11, S21, S12, S22
Number of Measurement Channels	32 independent channels
IF Bandwidth Settings	1 Hz to 40 kHz

Advanced Measurement Options

Time Domain Analysis	Option 010
Direct Receiver Access	Option 014
Frequency Offset Mode	Option 080

Interfaces & Connectivity

10 MHz Reference Input	BNC (female)
10 MHz Reference Output	BNC (female)
External Trigger Input	BNC (female)
External Trigger Output	BNC (female)

Software & Data

Operating System	Windows
Programming Commands	SCPI, COM / DCOM

Performance

Source Frequency Accuracy	±1 ppm (Standard)
Source Power Resolution	0.01 dB
Trace Magnitude Resolution	0.001 dB
Trace Phase Resolution	0.01°

Sweep

Sweep Types	Linear frequency, log frequency, segment, power, CW time
-------------	--

Analysis & Display

Display Formats	Log magnitude, linear magnitude, phase, unwrapped phase, group delay, Smith chart, polar, SWR, real, imaginary
Limit Testing	Multiple limit lines per trace with pass/fail indicators

Options & Configuration

Option UNL (Source Attenuators)	0 to 50 dB in 10 dB steps
Option 016 (Receiver Attenuators)	0 to 35 dB in 5 dB steps

TECHNOLOGY

Vector Network Analysis

APPLICATIONS

High-frequency component testing, microwave network analysis

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