

KEYSIGHT TECHNOLOGIES (AGILENT HP)

E8357A

The Keysight (Agilent HP) E8357A is a 2-port Vector Network Analyzer belonging to the PNA Series platform, covering a frequency range of 300 kHz to 6 GHz. Designed for high-performance component testing in R&D and manufacturing environments, it offers standard direct receiver access for extended dynamic range and standard built-in bias-tees for active device characterization. With a four-receiver architecture, the E8357A natively supports advanced TRL and LRM calibration methods, making it highly capable for in-fixture and on-wafer measurements.

SPECIFICATIONS

General

Interfaces	LAN, GPIB (IEEE 488), USB, VGA
Display	Color LCD Touchscreen
Mass Storage	Internal Hard Disk Drive

Frequency Characteristics

Frequency Range	300 kHz - 6 GHz
Frequency Resolution	1 Hz

Test Port Input Characteristics

Direct Receiver Access	Optional (Option 015)
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Sweep and Data Acquisition

Sweep Types	Linear frequency, Logarithmic frequency, CW, Power, Segmented
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Measurement Capabilities

Number of Measurement Ports	2
Measured Parameters (S-Parameters)	S11, S21, S12, S22
Calibration Methods	TRL, LRM, SOLT

Connectivity and Interfaces

Test Port Impedance	50 Ω
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Computer System

Operating System	Microsoft Windows
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Inputs & Outputs

External Reference Input Frequency	10 MHz
Test Port Connectors	Type-N (female)

Features

Time Domain Analysis	Optional (Option 010)
Frequency Offset Mode	Optional (Option 080)

TECHNOLOGY

Vector Network Analysis

APPLICATIONS

R&D and manufacturing, component testing, in-fixture devices, on-wafer devices, active 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.