KEYSIGHT TECHNOLOGIES (AGILENT HP)

E8361C

The Keysight (formerly Agilent) E8361C is a high-performance 2-port Vector Network Analyzer (VNA) from the Microwave PNA Series. Designed for rigorous component and subsystem testing, it offers a frequency range of 10 MHz to 67 GHz, providing exceptional accuracy, a 94 dB dynamic range, and versatile measurement capabilities including optional pulsed-RF and multiport configurations.

SPECIFICATIONS

General

Data Storage	Removable Hard Drive (Standard)

Physical

Power Supply	100 to 240 VAC, 50/60 Hz
Dimensions (W×H×D)	426 × 266 × 533 mm
Weight	34 kg kg

System Characteristics

Number of Ports	2
Test Port Connector Type	1.85 mm (male)
System Impedance	50 Ω

Frequency Characteristics

Frequency Range	10 MHz to 67 GHz
Frequency Resolution	1 Hz

Measurement Capabilities & Speed

Measurement Parameters	S11, S21, S12, S22
Sweep Types	Linear, CW, Log, Segmented, Power

Connectivity & Interfaces

External Reference Input	10 MHz
External Reference Output	10 MHz

Software & Control

Operating System	Windows
Programming Interface	SCPI, COM/DCOM

Physical & Power Specifications

Dimensions Width	426 mm
Dimensions Height	266 mm
Dimensions Depth	533 mm

Environmental

Storage Temperature	-40 °C to +70 °C

Performance

Source Power Resolution	0.01 dB
Log Magnitude Resolution	0.001 dB
Phase Resolution	0.01°
IF Bandwidth Range	1 Hz to 40 kHz

Features

Time Domain Capability	Optional (Option 010)
Frequency Offset Mode	Optional (Option 080)
Electronic Calibration (ECal) Support	Yes

Capabilities

Supported Calibration Types	SOLT, TRL, LRM, TRM, Unknown Thru

Configuration Options

Configurable Test Set	Optional (Option 014)
Direct Receiver Access	Optional (with Option 014)
Frequency Converter Measurements	Optional (Option 083)

TECHNOLOGY

Vector Network Analyzer (VNA)

APPLICATIONS

Microwave Component Test