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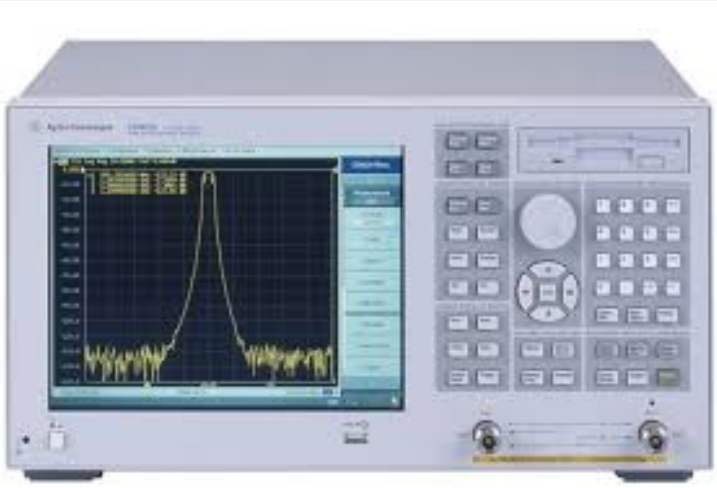
Data Sheet
August 12, 2026

KEYSIGHT / AGILENT

Keysight (Agilent) E5062A ENA-L Network Analyzer, 300kHz-3GHz

Keysight / Agilent E5062A ENA-L RF Network Analyzer The E5062A is an ENA-L general-purpose RF network analyzer covering 300 kHz to 3 GHz with integrated T/R or S-parameter test set options (50 Ω or 75 Ω). Provides solid basic S-parameter performance with VBA automation. The E5062A is an ENA-L general-purpose RF network analyzer covering 300 kHz to 3 GHz with integrated T/R or S-parameter test set options (50 Ω or 75 Ω). Provides solid basic S-parameter performance with VBA automation.



MODEL **Keysight / Agilent E5062A**	CALIBRATION **Available on request**
CONDITION **Used**	STATUS **In stock**
RFQ / SKU **E5062A**	LISTING **https://aumictechlabs.com/products/e5062a-2/**

NIST-traceable cal · SAM registered · 30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight (Agilent) E5062A ENA-L is a 2-port network analyzer operating from 300 kHz to 3 GHz, engineered for RF component characterization and circuit validation in R&D and manufacturing environments. It delivers 120 dB dynamic range, 0.001 dB RMS trace noise, and sub-millisecond sweep performance. The instrument combines precise magnitude (±0.1 dB) and phase (±0.5°) accuracy with flexible measurement capability across S-parameters, LCR, group delay, and power compression modes.Technical Specifications Frequency Performance Frequency Range: 300 kHz to 3 GHz Frequency Resolution: 1 Hz Frequency Accuracy: ±2.5 ppm

at 25°C Frequency Stability: ±0.5 ppm/year Sweep Modes: Frequency, List Measurement Capability Configuration: 2-port network analysis Dynamic Range: 120 dB at 1 GHz (S21 transmission) Trace Noise: 0.001 dB RMS at 1 GHz (S21) Magnitude Accuracy: ±0.1 dB Phase Accuracy: ±0.5 degrees Measurement Parameters: S11, S12, S21, S22, LCR, group delay, response, gain compression, power, swept power Calibration: Full 2-port and 1-port SOLT (Short, Open, Load, Through) IF Bandwidth: 10 Hz to 10 MHz (1-3-10 sequence) Signal Generation & Detection Output Power Range: -60 dBm to +10 dBm Power Accuracy: ±0.5 dB at 1 GHz Output Impedance: 50 Ω Receiver Type: Dual-channel Detector Types: Logarithmic, Linear, Logarithmic power Sweep Performance Sweep Time: 31 ms/point at 1 GHz (fast sweep mode) Data Points: Up to 1601 points per sweepKey Features Color LCD display with internal trace and settings memory Type-N female connectors (2× 50 Ω test ports) GPIB and USB control interfaces USB and optional Ethernet data transferTypical Applications Filter and amplifier characterization, impedance matching, component validation, transmission line analysis, gain and phase response measurement, power compression testing.Compatibility & Integration Supports test port extenders, calibration kits, fixtures, and Agilent/Keysight VNA software for data analysis and remote control. AC power: 100–240 VAC, 50/60 Hz.

Features & description

From manufacturer datasheet

Features

• Frequency range: 300 kHz to 3 GHz • Test set options: T/R or full S-parameter (50 Ω or 75 Ω) • Dynamic range: 120 dB • Trace noise: 0.005 dB rms • Impedance: 50 Ω or 75 Ω (option-dependent) • Built-in VBA (Visual Basic for Applications) • Display options: standard or touch color LCD (015/016) • Extended power range options (1E1 / 250 / 275 class) • Optional fault location analysis (100) • Form: benchtop ENA-L

Applications

• RF component S-parameter test to 3 GHz • Filter, amplifier, and cable characterization • Production / education RF network analysis

E5062A Characteristics / Specifications

PARAMETER	VALUE
Model	E5062A
Manufacturer	Keysight / Agilent
Instrument Type	ENA-L Network Analyzer
Alias	E5062A; Agilent E5062A; Keysight E5062A
Frequency	300 kHz to 3 GHz
Dynamic range	120 dB
Trace noise	0.005 dB rms
Impedance options	50 Ω / 75 Ω
Test set	T/R or S-parameter Notes Specs from Agilent/Keysight E5062A ENA-L literature. Confirm test-set option (150/175/250/275) and impedance on the unit.
Frequency range	300 kHz to 3 GHz
Test set options	T/R or full S-parameter (50 Ω or 75 Ω)
Impedance	50 Ω or 75 Ω (option-dependent)
Display options	standard or touch color LCD (015/016)
Form	benchtop ENA-L

E5062A Specifications

PARAMETER	VALUE
Applications	- RF component S-parameter test to 3 GHz
Key Features	- Frequency range: 300 kHz to 3 GHz
Technical Specifications	Model: E5062A
Notes	Specs from Agilent/Keysight E5062A ENA-L literature. Confirm test-set option (150/175/250/275) and impedance on the unit.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

performance with VBA automation.

Applications
- RF component S-parameter test to 3 GHz
- Filter, amplifier, and cable characterization
- Production / education RF network analysis

Key Features
- Frequency range: 300 kHz to 3 GHz
- Test set options: T/R or full S-parameter (50 Ω or 75 Ω)
- Dynamic range: 120 dB
- Trace noise: 0.005 dB rms
- Impedance: 50 Ω or 75 Ω (option-dependent)
- Built-in VBA (Visual Basic for Applications)
- Display options: standard or touch color LCD (015/016)
- Extended power range options (1E1 / 250 / 275 class)
- Optional fault location analysis (100)
- Form: benchtop ENA-L

Technical Specifications

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Specifications

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Frequency	300 kHz to 3 GHz
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Test set	T/R or S-parameter

Notes
Specs from Agilent/Keysight E5062A ENA-L literature. Confirm test-set option (150/175/250/275) and impedance on the unit.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: **sales@aumictech.com** · +1 (484) 841-9341

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