

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 7, 2026

KEYSIGHT

Keysight (Agilent) E5071C ENA RF Network Analyzer

Keysight (Agilent) E5071C ENA RF Network Analyzer The Keysight/Agilent E5071C is an ENA Series benchtop vector network analyzer for RF component characterization. Configurable as 2- or 4-port with frequency options from 9 kHz to 4.5/6.5/8.5 GHz (without bias tees), 100 kHz to 4.5/6.5/8.5 GHz (with bias tees), or 300 kHz to 14/20 GHz (with bias tees). Wide dynamic range, low trace noise, and fast sweeps suit R&D and manufacturing. RF filter/amplifier/antenna S-parameters; multiport fixture testing with E5092A; mixer/amplifier work with frequency-offset options; enhanced TDR/time-domain interconnect analysis. The Keysight/Agilent E5071C is an ENA Series benchtop vector network analyzer for RF component characterization. Configurable as 2- or 4-port with frequency options from 9 kHz to 4.5/6.5/8.5 GHz (without bias tees), 100 kHz to 4.5/6.5/8.5 GHz (with bias tees), or 300 kHz to 14/20 GHz (with bias tees). Wide dynamic range, low trace noise, and fast sweeps suit R&D and manufacturing. RF filter/amplifier/antenna S-parameters; multiport fixture testing with E5092A; mixer/amplifier work with frequency-offset options; enhanced TDR/time-domain interconnect analysis.

No photo

MODEL

Keysight E5071C

CALIBRATION

**N/A — off-catalog
OEM datasheet**

CONDITION

**See OEM
documentation**

STATUS

**Not listed on
Aumictech
inventory**

RFQ / SKU

E5071C

LISTING

**Off-catalog — OEM dat
asheet only**

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

Features & description

From manufacturer datasheet

Features

- Ports: 2 or 4 built-in (option-dependent); expandable multiport with E5092A (up to 22 ports class) • Frequency options (examples): 240/440 (9 kHz–4.5 GHz); 260/460 (9 kHz–6.5 GHz); 280/480 (9 kHz–8.5 GHz); 245/445, 265/465, 285/485 (100 kHz start with bias tees); 2D5/4D5 (300 kHz–14 GHz); 2K5/4K5 (300 kHz–20 GHz) • Maximum frequency: up to 20 GHz (Opt 2K5/4K5) • Frequency resolution: 1 Hz • Dynamic range: >123 dB class • Trace noise: <0.004 dB rms at 70 kHz IFBW (brochure); ~0.003 dB rms class cited on product page • Measurement speed: ~9 ms for 401 points with error correction (typical brochure figure) • Temperature stability: 0.005 dB/°C class • Output power: ~10 dBm class (product key specs) • Display: 10.4-inch color LCD; built-in VBA environment • Time base: standard (UNQ) or high-stability Opt 1E5 (± 0.05 ppm, 5–40 °C; ± 0.5 ppm/year class) • Options: 008 frequency offset; 010 time domain; TDR enhanced time domain; removable HDD Opt 017
- Interfaces: LAN/USB/GPIB class ENA connectivity (configuration-dependent)

E5071C Characteristics / Specifications

PARAMETER	VALUE
Model	E5071C
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	ENA Vector Network Analyzer
Family	ENA Series
Alias	E5071C; Agilent E5071C; Keysight E5071C ENA VNA Performance 2/4-port; to 20 GHz max option; >123 dB DR; low trace noise; 1 Hz resolution Operational Notes Prefer Keysight E5071C data sheet 5989-5479 and configuration guide. Exact start/stop frequency, bias tees, and port count are option-coded on the unit under test.
Ports	2 or 4 built-in (option-dependent); expandable multiport with E5092A (up to 22 ports class)
Frequency options (examples)	240/440 (9 kHz–4.5 GHz); 260/460 (9 kHz–6.5 GHz); 280/480 (9 kHz–8.5 GHz); 245/445, 265/465, 285/485 (100 kHz start with bias tees); 2D5/4D5 (300 kHz–14 GHz); 2K5/4K5 (300 kHz–20 GHz)
Maximum frequency	up to 20 GHz (Opt 2K5/4K5)
Frequency resolution	1 Hz
Dynamic range	>123 dB class
Trace noise	<0.004 dB rms at 70 kHz IFBW (brochure); ~0.003 dB rms class cited on product page
Measurement speed	~9 ms for 401 points with error correction (typical brochure figure)
Temperature stability	0.005 dB/°C class
Output power	~10 dBm class (product key specs)
Display	10.4-inch color LCD; built-in VBA environment
Time base	standard (UNQ) or high-stability Opt 1E5 (± 0.05 ppm, 5–40 °C; ± 0.5 ppm/year class)
Options	008 frequency offset; 010 time domain; TDR enhanced time domain; removable HDD Opt 017
Interfaces	LAN/USB/GPIB class ENA connectivity (configuration-dependent)

E5071C Specifications

PARAMETER	VALUE
Keysight (Agilent) E5071C ENA RF Network Analyzer	Overview
Key Features	- Ports: 2 or 4 built-in (option-dependent); expandable multiport with E5092A (up to 22 ports class)
Technical Specifications	Model: E5071C
VNA Performance	2/4-port; to 20 GHz max option; >123 dB DR; low trace noise; 1 Hz resolution

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.

Specifications

Specifications

PARAMETER	VALUE
Model	E5071C
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	ENA Vector Network Analyzer
Family	ENA Series
Alias	E5071C; Agilent E5071C; Keysight E5071C ENA

VNA Performance

2/4-port; to 20 GHz max option; >123 dB DR; low trace noise; 1 Hz resolution

Operational Notes

Prefer Keysight E5071C data sheet 5989-5479 and configuration guide. Exact start/stop frequency, bias tees, and port count are option-coded on the unit under test.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: N/A — off-catalog OEM datasheet. See OEM documentation · Not listed on Aumictech inventory.

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

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 7, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.