

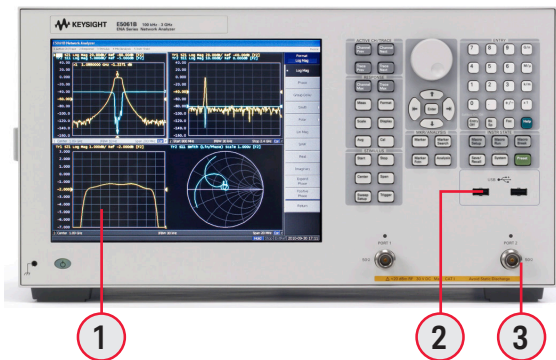
Product Fact Sheet

Keysight E5061B-1xx, 2xx RF Network Analyzers

Test set options for transmission/reflection and S-parameters, 100 kHz to 1.5/3 GHz

Economy RF network analyzer which is a replacement for the E5061A/62A

The Keysight Technologies, Inc. E5061B is part of the ENA series network analyzers. The E5061B RF network analyzer options offer solid performance for applications in cellular BTS filters/antennas, MRI coils, RFIDs, CATV components. These options provide the ability to choose the test frequency and test set needed today and allow for easy upgrading in the future.



1. 10.4-inch XGA (1024x768) LCD touch screen
2. USB port for Electric calibration (Ecal) module
3. Transmission/Reflection or S-parameter; 50 Ω or 75 Ω port impedance

Lowers your cost of test

The wide 300 kHz IF bandwidth and high analog performance enables high-speed measurements for evaluating many types of RF components.

Expanded frequency range

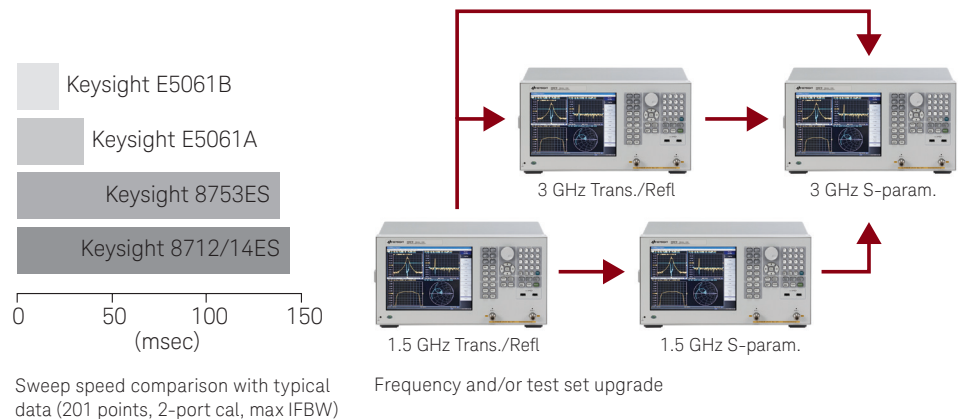
An expanded lower-end frequency range down to 100 kHz allows you to test lower frequency components, such as LAN transformers and automotive antennas.

Start with a small investment

The Keysight E5061B RF NA options offers upgrade options for frequency range (100 kHz to 1.5 GHz or 3 GHz) and test set options (Trans./Refl. or S-parameter test set). Buy just what you require today and upgrade later as needs change.

Key specifications

Frequency	E5061B-115 , 117, 215, 217: 100 kHz to 1.5 GHz E5061B-135, 137, 235, 237: 100 kHz to 3 GHz
Test set	E5061B-1xx :Transmission /Reflection test set E5061B-2xx: S-parameter test set
Port impedance	50 or 75 Ω
Port output power	-45 to 10 dBm (at 300 kHz to 1.5/3 GHz) -45 to 5 dBm (at 100 kHz to 300 kHz)
Dynamic range	> 120 dB (at 1 MHz to 1.5 / 3 GHz, IFBW = 10 Hz)
Trace noise	0.005 dB rms
Sweep types	Linear, log, segment, power
Ecal support	Yes (2-port RF ECal module cannot be used in 100 kHz to 300 kHz range.)



Product Fact Sheet

Model

Model	Description
E5061B	Network analyzer

Option

Test set option	Description
E5061B-115	Transmission/Reflection test set, 100 kHz to 1.5 GHz, 50 Ω
E5061B-117	Transmission/Reflection test set, 100 kHz to 1.5 GHz, 75 Ω
E5061B-215	S-parameter test set, 100 kHz to 1.5 GHz, 50 Ω
E5061B-217	S-parameter test set, 100 kHz to 1.5 GHz, 75 Ω
E5061B-135	Transmission/Reflection test set, 100 kHz to 3 GHz, 50 Ω
E5061B-137	Transmission/Reflection test set, 100 kHz to 3 GHz, 75 Ω
E5061B-235	S-parameter test set, 100 kHz to 3 GHz, 50 Ω
E5061B-237	S-parameter test set, 100 kHz to 3 GHz, 75 Ω
Options	Description
E5061B-1E5	High stability timebase
E5061B-010	Time domain / fault location analysis
E5061B-020	Standard hard disk drive
E5061B-810	Add keyboard
E5061B-820	Add mouse
E5061B-1CM	Rack mount kit
E5061B-1CN	Front handle kit
E5061B-1CP	Rack mount and front handle kit
E5061B-1A7	ISO 17025 compliant calibration
E5061B-A6J	ANSI Z540 compliant calibration

Recommended accessories

Model/part number	Description
85033E	Standard Mechanical Calibration kit, DC to 9 GHz, 3.5 mm 50 Ω
N6314A	Test port cable, Type-N(m-m), 50 Ω
85032E	Economy Mechanical Calibration Kit, DC to 6 GHz, Type-N, 50 Ω
85092C	RF Electronic Calibration Module, 300 kHz to 9 GHz, Type-N, 50 Ω , 2-port
85039B	Economy Mechanical Calibration Kit, DC to 3 GHz, Type-F, 75 Ω
11857B	Test port cables, Type-N, 75 Ω , includes Type-N (m-m) and Type-N (m-f) cables
11857F	Test port cables, Type-N to Type-F cable set
85036B	Standard Mechanical Calibration Kit, DC to 3 GHz, Type-N, 75 Ω
85099C	RF Electronic Calibration Module, 300 kHz to 3 GHz, Type-F, 75 Ω , 2-port

www.keysight.com/find/e5061b

For additional information about the E5061B, refer to following literature.

Pub number	Name
5990-6794EN	Brochure
5990-4391EN	Configuration Guide
5990-4392EN	Data Sheet

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