

Keysight Technologies

Build Dependable PCB Test Stations with the Keysight E5063A PCB Analyzer

Keysight Technologies, Inc. E5063A ENA Series PCB Analyzer helps you build a more dependable PCB test station with three breakthroughs and it's the lowest cost solution in the industry.

More Accuracy and R&R

State-of-the-art error correction techniques enables you to measure your device, not your measurement system. High accuracy and repeatability increase the yield of production. High reproducibility helps you to have a correlation of test data between you and your end customer.



More ESD Robustness

Have you ever broken your impedance test system by electrostatic discharge (ESD)? Do you make an estimate of downtime? Protection circuits implemented inside the E5063A increases ESD robustness, while at the same time maintaining excellent RF performance. Highly robust architecture can minimize instrument failure from ESD and free you from worrying about instrument repair fees and downtime.



More Languages Supported

The E5063A provides the dedicated graphical user interface for PCB manufacturing test (Option 011) in multi languages including Simplified and Traditional Chinese, Japanese, Korean and English. These additional languages helps you to solve your tasks more efficiently.



ESD Robustness
3,000 V



Unlocking Measurement Insights

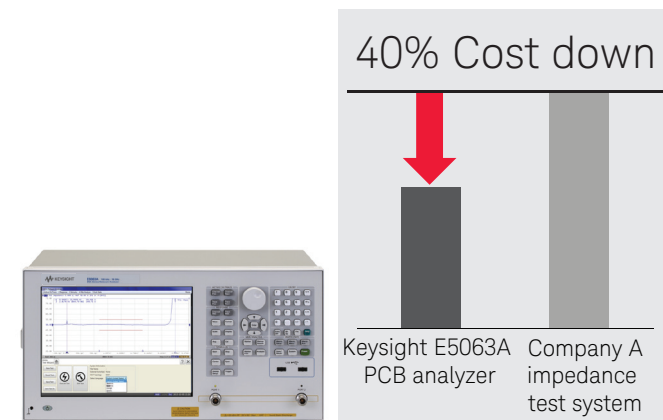
Key Features & Specifications

- Dedicated graphical user interface for PCB manufacturing test
- Impedance (TDR) and return loss (S-parameter) measurement capability in one-box
- Rise time: 100/53/25 ps (for 100 kHz to 4.5/ 8.5/18 GHz option)
- E5063A base model supports 8 frequency options (100 kHz to 500 M/1.5 G/3 G/4.5 G/6.5 G/8.5 G/14 G/18 GHz) Frequency upgradability
- State-of-the-art error correction techniques
- High R&R: 0.02 Ω
- Multi-lingual user interface
- High ESD robustness: 3 kV (IEC801-2 Human Body Model)
- Up to four ports with the addition of U1810B USB switches

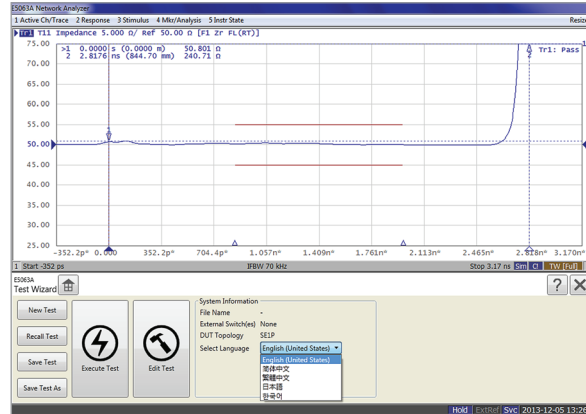
The PCB analyzer consists of an E5063A ENA Series network analyzer with Option 011 (Time domain analysis/Test Wizard). The E5063A provides frequency domain measurement capability and Option 011 adds time domain analysis capability, as well as a dedicated graphical user interface for PCB manufacturing test. The number of available ports can be expanded up to four with the addition of U1810B USB coaxial switches, to allow for simultaneous connection to both single-ended and differential probes.

In Addition, it is the Lowest Cost Solution in the Industry.

Configuration	Price
E5063A 500 MHz model	US\$ 10.4k
E5063A 1 GHz model	US\$ 12.4k
E5063A 3 GHz model	US\$ 14.5k
E5063A 4.5 GHz model	US\$ 15.6k
E5063A 6.5 GHz model	US\$ 19.3k
E5063A 8.5 GHz model	US\$ 23k
E5063A 14 GHz model	US\$ 27.9k
E5063A 18 GHz model	US\$ 35.1k
E5063A-011 Time domain analysis/test wizard	US\$ 5k
U1810B USB coaxial SPDT switch, DC to 18 GHz	US\$ 1.3k

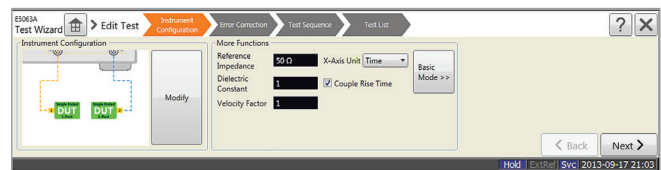


E5063A-011 Time domain analysis/Test Wizard



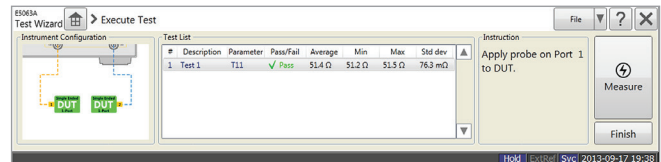
Edit test mode

Setup and Error Correction Wizards allows for intuitive and error free setup, error correction, and measurements.

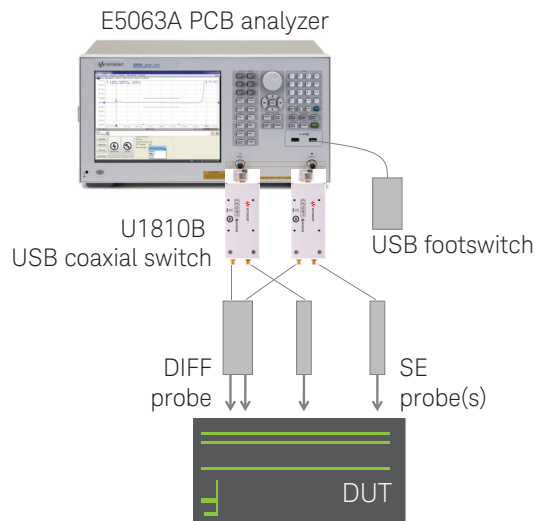


Execute test mode

Simple and intuitive user interface for non-technical operators.



Typical configuration



www.keysight.com/find/ena-pcb

This information is subject to change without notice.
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www.keysight.com