

KEYSIGHT TECHNOLOGIES (AGILENT HP)

E5092A

The Keysight E5092A is a configurable multiport test set designed for use with the E5071C ENA vector network analyzer. It provides a highly flexible solution for multiport measurements up to 10 ports or 22 ports, operating over a wide frequency range from 50 MHz to 20 GHz. With integrated DC control sources, it is optimized for testing complex multiport devices such as front-end modules and switches.

SPECIFICATIONS

General

Interfaces	USB (Type-B, for control from E5071C VNA)
Display	Status LED indicators (no integrated screen)

Physical

Operating Temperature	5 °C to 40 °C °C
Dimensions (W×H×D)	426 mm × 132 mm × 341 mm mm
Weight	9 kg kg

RF and Signal Analysis

Frequency Range	50 MHz to 20 GHz
Nominal Impedance	50 Ω

Physical Interfaces and Connections

RF Input/Output Connector Type	SMA female
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Port and Switch Configuration

Maximum Multiport Capability (Single Test Set)	Up to 10-port measurement (with 4-port ENA)
Maximum Multiport Capability (Dual Test Set)	Up to 22-port measurement (with two E5092As and 4-port ENA)

DC Control Sources

Internal DC Sources	4 channels
DC Source Voltage Range	-5.2 V to +5.2 V
DC Source Voltage Resolution	10 mV
DC Source Maximum Current	150 mA (per channel)

Software and Automation

Compatible Analyzer Series	Keysight E5071C ENA Vector Network Analyzer
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Environmental and Compliance

Storage Temperature Range	-20 °C to +60 °C
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RF Specifications

Maximum RF Input Level	+20 dBm
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Environmental

Operating Altitude	Up to 2,000 m
Storage Altitude	Up to 4,572 m
Operating Humidity	20% to 80% RH (non-condensing)
Non-Operating Humidity	10% to 90% RH (non-condensing)

Performance

RF Switch Type	Electromechanical
Warm-up Time	30 minutes

Inputs & Outputs

DC Control Output Connectors	4 x BNC female
USB Control Interface	USB Type-B female (USB 2.0 compliant)

TECHNOLOGY

Multiport VNA Extension

APPLICATIONS

Multiport RF Device Characterization

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.