

KEYSIGHT TECHNOLOGIES (AGILENT HP)

43961A

The Keysight (Agilent HP) 43961A is an RF Impedance Test Kit designed to add 1-port impedance measurement capability to compatible network and spectrum analyzers. Equipped with a high-precision 7-mm APC-7 test port, it enables accurate characterization of RF components and surface-mount devices (SMD) up to 1.8 GHz.

SPECIFICATIONS

System Compatibility & Configuration

Compatible Host Instrument Models	4395A, 4396A, 4396B
Supported Analyzers	4395A (with Option 010), 4396A (with Option 010), 4396B (with Option 010)
Connection Type to Host	Direct-mount front panel connection to RF OUT and Receiver inputs (R, A)
Measurement Parameter Support	Z , Y , Theta-z, Theta-y, R, X, G, B, Cp, Cs, Lp, Ls, Rp, Rs, D, Q

Electrical Performance Specifications

Frequency Range (with 4395A)	100 kHz to 500 MHz (with Option 010)
Frequency Range (with 4396A/B)	100 kHz to 1.8 GHz (with Option 010)
Nominal Impedance	50 Ohm
Maximum DC Bias Voltage	+/- 40 V

Hardware & Interface Specifications

Test Port Connector Type	7-mm (APC-7)
Host Port Connector Type	N-type (male) RF connectors
DC Bias Input Connector Type	BNC (female)

Calibration Standards & Accessories Included

Open Calibration Standard Type	7 mm Open
Short Calibration Standard Type	7 mm Short
Load Calibration Standard Type	7 mm Load
Load Resistance Value	50 Ohm

Compatible Test Fixtures & Adapters

SMD Component Test Fixture Compatibility	16191A, 16192A, 16193A, 16194A, 16196A/B/C/D, 16197A
Leaded Component Test Fixture Compatibility	16092A

TECHNOLOGY

RF Impedance Analysis

APPLICATIONS

Characterization of 1-port RF components and surface-mount devices (SMD)

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