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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 11904S

HP Agilent Keysight 11904S 2.4 mm Adapter Set DC to 50 GHz The Keysight 11904S is a 2.4 mm adapter set (male/female combinations) specified DC to 50 GHz. OEM accessory tables list 11904S with 11904A as 2.4 mm adapter kit for 50 GHz 8517/PNA ports. Providing 2.4 mm sex combinations for 50 GHz calibrations and interconnects. Included Adapter Class: 11904A 2.4 mm (f) to 2.4 mm (f) The Keysight 11904S is a 2.4 mm adapter set (male/female combinations) specified DC to 50 GHz. OEM accessory tables list 11904S with 11904A as 2.4 mm adapter kit for 50 GHz 8517/PNA ports. Providing 2.4 mm sex combinations for 50 GHz calibrations and interconnects. Included Adapter Class: 11904A 2.4 mm (f) to 2.4 mm (f)

Related 11900 Series: 11900B/C 2.4 mm adapters



MODEL

**Agilent / Keysight
11904S**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

11904S

LISTING

<https://aumictechlabs.com/products/11904s-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 11904S is a metrology-grade adapter set that bridges 2.4 mm test ports on network analyzers to 2.92 mm (K) connector devices. This four-piece adapter ensemble protects sensitive analyzer ports while enabling calibrated measurements across DC to 40 GHz for 2.92 mm devices, or up to 50 GHz when measuring 2.4 mm devices with appropriate calibration definitions. Technical Specifications Frequency Range: DC to 40 GHz (2.92 mm devices); DC to 50 GHz (2.4 mm devices) Return Loss: ≥ 24 dB across specified frequency range Connector Types: Precision 2.4 mm and 2.92 mm (K) interfaces Construction: Rugged design engineered to tight

tolerances for broadband performance and stable, repeatable connections

Key Features

Four-adapter configuration: 2.4 mm male-to-2.92 mm male, 2.4 mm male-to-2.92 mm female, 2.4 mm female-to-2.92 mm female, and 2.4 mm female-to-2.92 mm male

Port protection for 2.4 mm test set ports during 2.92 mm device mating

Includes modified standards data files for network analyzer calibration workflows

Optional torque wrench (0.57 Nm / 5 lb-in) for consistent connection torque control

Supplied in protective wooden case for storage and transport

Typical Applications

Designed for RF and microwave test environments requiring measurements on 2.92 mm connector devices up to 40 GHz. Enables extension of 2.4 mm calibrated network analyzer systems to K-connector test articles without port degradation.

Compatibility & Integration

Primary compatibility includes Agilent 8510 and 8722 series network analyzers, plus Keysight PNA Series instruments. The 2.92 mm interface accommodates SMA and 3.5 mm connector compatibility through precision adapter use.

11904S Characteristics / Specifications

PARAMETER	VALUE
Model	11904S
Instrument Type	2.4 mm adapter set
Frequency Range	DC to 50 GHz
System Impedance	50 ohm
Connector Family	2.4 mm
Included Adapter Class	11904A 2.4 mm (f) to 2.4 mm (f)
Related 11900 Series	11900B/C 2.4 mm adapters
Manufacturer	HP Agilent Keysight
Form Factor	adapter kit
Literature	analyzer accessory table 11904S
Torque 2p4 Mm	90 N-cm (8 in-lb)
Related Cal Kit	85056A/D/K
Related Test Set	8517A 50 GHz
Use Case	50 GHz 2.4 mm sex change
Operating Temperature Class	laboratory precision
Mating	2.4 mm precision
Storage	kit case
Return Loss	precision adapter class
Insertion Loss	adapter IL class
Sex Combinations	m-m f-f m-f class in set
Brand Lineage	Hewlett Packard Agilent Keysight
Documentation Type	OEM datasheet and catalog specifications
Operating temperature	Class: laboratory precision

11904S Specifications

PARAMETER	VALUE
Applications	Providing 2.4 mm sex combinations for 50 GHz calibrations and interconnects.
Key Features	2.4 mm adapter set
DC to 50 GHz	Includes 11904A class (f)-(f)
Technical Specifications	Model: 11904S
Notes	Identity from Keysight 11904S 2.4 mm adapter-set listings DC to 50 GHz. Exact adapter list is on the 11904S kit content card.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: laboratory precision
Operating Temperature	Class: laboratory precision
Operating Temperature Class	laboratory precision
Mating	2.4 mm precision
Storage	kit case
Return Loss	precision adapter class
Insertion Loss	adapter IL class
Sex Combinations	m-m f-f m-f class in set
Brand Lineage	Hewlett Packard Agilent Keysight
Documentation Type	OEM datasheet and catalog specifications Notes Identity from Keysight 11904S 2.4 mm adapter-set listings DC to 50 GHz. Exact adapter list is on the 11904S kit content card.

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	11904S
Instrument Type	2.4 mm adapter set
Frequency Range	DC to 50 GHz
System Impedance	50 ohm
Connector Family	2.4 mm
Included Adapter Class	11904A 2.4 mm (f) to 2.4 mm (f)
Related 11900 Series	11900B/C 2.4 mm adapters
Manufacturer	HP Agilent Keysight
Form Factor	adapter kit
Literature	analyzer accessory table 11904S
Torque 2p4 Mm	90 N-cm (8 in-lb)
Related Cal Kit	85056A/D/K
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Operating Temperature Class	laboratory precision
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Sex Combinations	m-m f-f m-f class in set
Brand Lineage	Hewlett Packard Agilent Keysight
Documentation Type	OEM datasheet and catalog specifications
Notes	
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Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

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

Aumictech

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NIST-traceable calibration · SAM registered ·
30-day returns
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.