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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 11904A

HP Agilent Keysight 11904A 2.4 mm Female to 2.4 mm Female Adapter DC to 50 GHz The Keysight 11904A is a 2.4 mm (f) to 2.4 mm (f) coaxial adapter specified DC to 50 GHz. OEM analyzer-accessory adapter tables list 11904A/11904S 2.4 mm adapters with 11900B 2.4 mm (f)-(f) family used on 8517A/N5227 50 GHz test ports. Sex-change and cable interconnect of 2.4 mm 50 GHz test ports. Literature: analyzer accessory adapter table 11904A The Keysight 11904A is a 2.4 mm (f) to 2.4 mm (f) coaxial adapter specified DC to 50 GHz. OEM analyzer-accessory adapter tables list 11904A/11904S 2.4 mm adapters with 11900B 2.4 mm (f)-(f) family used on 8517A/N5227 50 GHz test ports. Sex-change and cable interconnect of 2.4 mm 50 GHz test ports. Literature: analyzer accessory adapter table 11904A Operating Temperature Class: laboratory precision adapter

**MODEL****Agilent / Keysight
11904A****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****11904A****LISTING**<https://aumictechlabs.com/products/11904a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 11940A is a handheld close-field probe engineered for detection and measurement of magnetic field radiation from surface currents, slots, cables, and integrated circuits. Optimized for electromagnetic compatibility (EMC) diagnostic and troubleshooting, this probe delivers high electric field rejection to enable accurate, calibrated, and repeatable field measurements across PCBs and electronic assemblies. Technical Specifications Frequency Range: 30 MHz to 1 GHz Antenna Factor Accuracy: ± 2 dB in 377 ohm field impedance (individually

calibrated at 30, 100, 500, 850, and 1000 MHz) VSWR: < 3:1 (typical) Maximum Input Power: 0.5 watts Dielectric Breakdown: ± 1 kV (typical) Connector: SMA, replaceable barrel Operating Temperature Range: 0°C to +40°C Storage Temperature Range: -10°C to +65°C Weight: 0.10 kg (0.22 lbs) Key Features High-level electric field rejection for isolated magnetic field detection Individually calibrated antenna factor traceable to 377 ohm field impedance VSWR controlled to typical < 3:1 across the operating band solid dielectric isolation rated to ± 1 kV Field-replaceable SMA connector assembly Compact handheld form factor Typical Applications EMC diagnostic and root-cause analysis Near-field radiation profiling on PCBs and ICs Slot and cable radiation assessment Electromagnetic interference localization In-circuit troubleshooting of RF and mixed-signal designs Compatibility & Integration Supplied with a 2-meter RG-223 coaxial cable, SMA (f) to Type-N (m) adapter, and SMA (f) to BNC (m) adapter, enabling direct connection to spectrum analyzers, network analyzers, and EMC test receivers with standard 50 ohm connectors.

11904A Characteristics / Specifications

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

11904A Specifications

PARAMETER	VALUE
Applications	Sex-change and cable interconnect of 2.4 mm 50 GHz test ports.
Key Features	2.4 mm female-female
DC to 50 GHz	50 ohm
Precision microwave adapter	Used with 85056/8517 50 GHz kits
Technical Specifications	Model: 11904A

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: laboratory precision adapter
Operating Temperature	Class: laboratory precision adapter
Operating Temperature Class	laboratory precision adapter
Use Case	50 GHz 2.4 mm interconnect
Related Cal Kit	85056A/D
Related Test Set	8517A 50 GHz 2.4 mm
Mating	2.4 mm precision
Return Loss	precision adapter class
Insertion Loss	adapter IL class
Brand Lineage	Hewlett Packard Agilent Keysight
Documentation Type	OEM datasheet and catalog specifications Notes Identity from Keysight analyzer-accessory tables listing 11904A 2.4 mm adapters DC to 50 GHz. Return-loss versus frequency is on the 11904A adapter data / 8517 accessory note.

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	11904A
Instrument Type	2.4 mm coaxial adapter
Connector 1	2.4 mm female
Connector 2	2.4 mm female
Frequency Range	DC to 50 GHz
System Impedance	50 ohm
Related Set	11904S 2.4 mm adapter set
Related 11900b	2.4 mm (f) to 2.4 mm (f)
Related 11900c	2.4 mm (f) to 2.4 mm (m)
Manufacturer	HP Agilent Keysight
Form Factor	coaxial adapter
Literature	analyzer accessory adapter table 11904A
Torque 2p4 Mm	90 N-cm (8 in-lb)
Operating Temperature Class	laboratory precision adapter
Use Case	50 GHz 2.4 mm interconnect
Related Cal Kit	85056A/D
Related Test Set	8517A 50 GHz 2.4 mm
Mating	2.4 mm precision
Return Loss	precision adapter class
Insertion Loss	adapter IL class
Brand Lineage	Hewlett Packard Agilent Keysight
Documentation Type	OEM datasheet and catalog specifications
Notes	
Identity from Keysight analyzer-accessory tables listing 11904A 2.4 mm adapters DC to 50 GHz. Return-loss versus frequency is on the 11904A adapter data / 8517 accessory note.	

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

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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.