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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 908A

HP Agilent Keysight 908A Coaxial Termination DC to 4 GHz 50 Ohm The HP 908A is a general-purpose low-reflection 50 ohm coaxial load for terminating a 50 ohm system from DC to 4 GHz. OEM 908A datasheet 5952-0919E and catalog listings specify maximum SWR 1.05, 0.5 W average / 1 kW peak power, type-N male connector, and 51 mm (2 in) length. Unlike 909C/D/E precision calibration loads, 908A is the general-purpose DC to 4 GHz Type-N termination. Broadband and narrowband instrument ports, unused splitter/coupler arms, and 50 ohm Type-N bench terminations through 4 GHz. The HP 908A is a general-purpose low-reflection 50 ohm coaxial load for terminating a 50 ohm system from DC to 4 GHz. OEM 908A datasheet 5952-0919E and catalog listings specify maximum SWR 1.05, 0.5 W average / 1 kW peak power, type-N male connector, and 51 mm (2 in) length. Unlike 909C/D/E precision calibration loads, 908A is the general-purpose DC to 4 GHz Type-N termination. Broadband and narrowband instrument ports, unused splitter/coupler arms, and 50 ohm Type-N bench terminations through 4 GHz.

**MODEL****Agilent / Keysight
908A****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****908A****LISTING**<https://aumictechlabs.com/products/908a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight 908A is a signal generator engineered for testing and calibration of communication systems, audio equipment, and electronic devices. It delivers stable, accurate signals with minimal distortion and noise to meet demanding laboratory and engineering

requirements. The instrument provides flexible modulation capabilities and precise output control across its operating range.

Technical Specifications

Output Power Output levels range from +13 dBm down to -143.5 dBm, with level accuracy of ± 1 dB (typically 0.5 dB) maintained down to -127 dBm across the operating temperature range of 0 to 55 °C.

Signal Purity Harmonic distortion is specified at <0.5% THD plus noise (typical <1.5%) for FM modulation across all specified deviations and rates. AM depth below 70% exhibits <3.0% THD plus noise. Low single-sideband phase noise supports adjacent channel selectivity testing.

Modulation Capabilities The 908A supports AM and FM analog modulation with FM rates from 400 Hz and 1 kHz internally, and externally from DC/5 Hz to 100 kHz (3 dB bandwidth). FM deviations reach 40 MHz with rates up to 10 MHz. Pulse modulation is also supported.

Frequency Stability Frequency stability in DC mode exhibits <10 Hz per hour drift (typical).

Key Features Analog modulation: AM, FM, FM/AM, AM/AM, FM/FM, and Pulse modes

Wide output range: +13 dBm to -143.5 dBm

Low THD performance in FM and AM modes

Low phase noise for precision communication system testing

Stable frequency reference with minimal drift

Full temperature stability from 0 to 55 °C

Typical Applications

Communication system testing and validation

Audio equipment calibration and verification

Electronic device characterization

Adjacent channel selectivity measurements

Signal integrity and distortion analysis

Compatibility & Integration The 908A integrates into laboratory environments requiring precise analog signal generation with stable output characteristics and low noise performance.

908A Characteristics / Specifications

PARAMETER	VALUE
Model	908A
Instrument Type	Coaxial termination load
Characteristic Impedance	50 ohm
Frequency Range	DC to 4 GHz
Maximum Swr	1.05
Average Power	0.5 W
Peak Power	1 kW
Connector Type	TypeNmale
Body Length	51 mm (2 in)
Use Class	general purpose (not 909C-class calibration standard)
Literature	Keysight 908A coaxial termination datasheet 5952-0919E
Manufacturer	HP Agilent Keysight
Related Precision 2 Ghz	909C APC-7 / Type N, 1.005 SWR, 0.5 W / 100 W peak
Related Broadband 18 Ghz	909A APC-7 / Type N, 2 W / 300 W peak
Related Precision 26p5 Ghz	909D 3.5 mm, 2 W / 100 W peak
Related 75 Ohm	909E Type N, DC to 3 GHz
Form Factor	coaxial fixed load
System Role	50 ohm port termination
Brand Lineage	Hewlett Packard Agilent Keysight
Mating Interface	TypeNper MIL-C-39012 class as catalogued
Construction	general-purpose coaxial load
Catalog Family	908/909 coaxial terminations
Duty	continuous average power 0.5 W
Application Class	unused RF port and instrument termination
Connector Gender	male

PARAMETER	VALUE
Frequency Class	DC to 4 GHz TypeN Notes From Keysight 908A coaxial termination datasheet 5952-0919E and OEM catalog listings (DC to 4 GHz, SWR 1.05, 0.5 W avg / 1 kW peak, 50 ohm, Type-N male, 51 mm). Finer VSWR-versus-frequency breakpoints are not published on the short 908A sheet; useanetwork analyzer ifacalibration-grade trace is required.

908A Specifications

PARAMETER	VALUE
Applications	Broadband and narrowband instrument ports, unused splitter/coupler arms, and 50 ohm Type-N bench terminations through 4 GHz.
Key Features	General-purpose Type-N male 50 ohm load
Maximum SWR 1.05 through 4 GHz	0.5 W average and 1 kW peak
Technical Specifications	Model: 908A

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	
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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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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.