

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

AGILENT / HP

Agilent HP 85092-60002 RF Electronic Calibration Module

Agilent HP 85092-60002 RF Electronic Calibration Module,"This electronic calibration module enables fast, repeatable RF calibration for network analyzers. Supporting broadband frequency coverage and precision 3.5 mm connectors, it automates calibration routines and reduces measurement uncertainty. Ideal for production and R&D labs requiring reliable, time-saving calibration of vector network analyzer setups."



MODEL

**Agilent / HP
85092-60002**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

85092-60002

LISTING

<https://aumictechlabs.com/products/85092-60002-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent HP 85092-60002 RF Electronic Calibration Module automates vector network analyzer calibration through single-connection electronic impedance standards, eliminating mechanical contact wear and operator error. Stored S-parameter data within the module calculates network analyzer error terms with NIST-traceable accuracy. Solid-state switching delivers repeatable calibration performance across production and R&D environments where measurement speed and precision are critical. Technical Specifications Calibration Type: RF Electronic Calibration (ECal) with single-connection impedance standards Frequency Coverage: Broad RF frequency range across the 8509x family Power Handling: Maximum input +20 dBm;

minimum input -45 dBm Connector Interface: Precision 3.5 mm slotless connectors for optimal accuracy; mixed-connector options available Switching: Solid-state architecture for consistent, reliable performance Traceability: NIST-traceable calibration standards

Key Features

- Single-connection calibration process reduces operator error versus mechanical methods
- Electronic standards eliminate connector wear on network analyzer test ports
- Embedded S-parameter data calculates instrument error terms directly
- Solid-state switching ensures measurement repeatability
- Compatible with precision 3.5 mm connectors and alternative types (Type-N, 7-16)

Typical Applications

- Production calibration workflows requiring fast turnaround and minimal setup
- Research and development labs performing high-accuracy RF measurements
- Environments where connector wear and operator error must be minimized

Compatibility & Integration

Designed for integration with Agilent/Keysight network analyzers including the ENA and PNA series via direct USB control. External interface kits (e.g., 85097B) support legacy analyzer platforms and specialized configurations. Compatibility with older series (8753, 8719/8720/8722) may require specific interface solutions.

Features & description

From manufacturer datasheet

Features

• Single connection full 2-port electronic calibration • Frequency coverage 300 kHz to 9 GHz • Type-N 50 ohm connectors with gender options • Mixed-connector options for 3.5 mm and 7-16 • Up to five user characterizations plus factory data • Direct control from compatible PNA and ENA firmware

Applications

• Fast 2-port electronic calibration of RF VNAs to 9 GHz • Manufacturing and R&D calibration routines • Non-insertable calibrations with matched gender options • Mixed-connector calibrations with optioned port styles

8509260002 Characteristics / Specifications

PARAMETER	VALUE
Model	85092-60002
Manufacturer	Agilent / Hewlett Packard / Keysight
Instrument Type	RF Electronic Calibration Module Assembly
Alias	85092-60002; 85092C; Agilent 85092C TypeNECal
Family product	85092C Type-N 50 ohm ECal
Frequency range	300 kHz to 9 GHz
Port count	2
Connector type standard	Type N 50 ohm
Family	85090 Series RF ECal
Directivity 300 kHz to 10 MHz	45 dB
Directivity 10 MHz to 1 GHz	52 dB
Directivity 1 to 3 GHz	52 dB
Directivity 3 to 6 GHz	49 dB
Directivity 6 to 9 GHz	45 dB
Source match 300 kHz to 10 MHz	36 dB
Source match 10 MHz to 1 GHz	45 dB
Source match 1 to 3 GHz	44 dB
Source match 3 to 6 GHz	41 dB
Source match 6 to 9 GHz	36 dB
Reflection tracking 300 kHz to 10 MHz	plus or minus 0.1 dB
Reflection tracking 10 MHz to 1 GHz	plus or minus 0.04 dB
Reflection tracking 1 to 3 GHz	plus or minus 0.04 dB
Reflection tracking 3 to 6 GHz	plus or minus 0.06 dB
Reflection tracking 6 to 9 GHz	plus or minus 0.07 dB
Transmission tracking 300 kHz to 10 MHz	plus or minus 0.12 dB

PARAMETER	VALUE
Transmission tracking 10 MHz to 1 GHz	plus or minus 0.05 dB
Load match 10 MHz to 1 GHz	41 dB
Load match 6 to 9 GHz	37 dB
User characterizations stored	up to 5
Traceability	NIST via factory characterization
Available options class	00A 00F 00M UK6 M0F mixed connectors Notes Corrected residual e-term specs from Agilent/Keysight ECal technical overview for 85092C (Type-N 50 ohm RF). Part 85092-60002 is the module assembly identity; confirm connector gender option and host VNA firmware support.

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	85092-60002
Manufacturer	Agilent / Hewlett Packard / Keysight
Instrument Type	RF Electronic Calibration Module Assembly
Alias	85092-60002; 85092C; Agilent 85092C TypeNECal
Family product	85092C Type-N 50 ohm ECal
Frequency range	300 kHz to 9 GHz
Port count	2
Connector type standard	Type N 50 ohm
Family	85090 Series RF ECal
Directivity 300 kHz to 10 MHz	45 dB
Directivity 10 MHz to 1 GHz	52 dB
Directivity 1 to 3 GHz	52 dB
Directivity 3 to 6 GHz	49 dB
Directivity 6 to 9 GHz	45 dB
Source match 300 kHz to 10 MHz	36 dB
Source match 10 MHz to 1 GHz	45 dB
Source match 1 to 3 GHz	44 dB
Source match 3 to 6 GHz	41 dB
Source match 6 to 9 GHz	36 dB
Reflection tracking 300 kHz to 10 MHz	plus or minus 0.1 dB
Reflection tracking 10 MHz to 1 GHz	plus or minus 0.04 dB
Reflection tracking 1 to 3 GHz	plus or minus 0.04 dB
Reflection tracking 3 to 6 GHz	plus or minus 0.06 dB
Reflection tracking 6 to 9 GHz	plus or minus 0.07 dB
Transmission tracking 300 kHz to 10 MHz	plus or minus 0.12 dB
Transmission tracking 10 MHz to 1 GHz	plus or minus 0.05 dB

PARAMETER	VALUE
Load match 10 MHz to 1 GHz	41 dB
Load match 6 to 9 GHz	37 dB
User characterizations stored	up to 5
Traceability	NIST via factory characterization
Available options class	00A 00F 00M UK6 M0F mixed connectors

Notes
Corrected residual e-term specs from Agilent/Keysight ECal technical overview for 85092C (Type-N 50 ohm RF).
Part 85092-60002 is the module assembly identity; confirm connector gender option and host VNA firmware support.

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 13, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.