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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent / Keysight 85062A Electronic Calibration Module, 26.5 GHz, 3.5 mm

Agilent 85062A 3.5 mm Electronic Calibration Kit to 26.5 GHz The HP 85062A is a 3.5 mm electronic calibration kit used with the HP 85060C ECal control unit to calibrate 8510-class network analyzers for 3.5 mm devices. OEM 85062A operating and service manual lists a 1 to 26.5 GHz calibration module, optional 45 MHz to 2 GHz low-band module (code 001), 90 N-cm (8 in-lb) torque wrench, and +20 dBm maximum RF input. Electronic calibration of 8510 systems with 3.5 mm test ports from 1 to 26.5 GHz (plus 45 MHz to 2 GHz when code 001 is fitted). The HP 85062A is a 3.5 mm electronic calibration kit used with the HP 85060C ECal control unit to calibrate 8510-class network analyzers for 3.5 mm devices. OEM 85062A operating and service manual lists a 1 to 26.5 GHz calibration module, optional 45 MHz to 2 GHz low-band module (code 001), 90 N-cm (8 in-lb) torque wrench, and +20 dBm maximum RF input. Electronic calibration of 8510 systems with 3.5 mm test ports from 1 to 26.5 GHz (plus 45 MHz to 2 GHz when code 001 is fitted). Code 001 adds 45 MHz to 2 GHz low-band module



MODEL

**Agilent / Keysight
85062A**

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

85062A

LISTING

<https://aumictechlabs.com/products/85062a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 85062A Electronic Calibration Module automates vector network analyzer calibration up to 26.5 GHz using 3.5 mm connectors. This precision instrument delivers fast,

repeatable calibrations with minimal user intervention, eliminating manual setup errors and improving measurement accuracy. Electronic calibration architecture reduces drift and operator dependency, enabling consistent S-parameter measurements across repeated test cycles. The module integrates directly with compatible VNAs to streamline high-frequency characterization workflows in laboratory and production environments.

Technical Specifications

Frequency Range: Up to 26.5 GHz
Connector Type: 3.5 mm
Calibration Type: Automated, electronic

Key Features

- Automates VNA calibration process, reducing setup time and human error
- Enables fast, repeatable calibration cycles for consistent measurement results
- Electronic calibration improves accuracy in high-frequency network analysis
- Minimizes user intervention in calibration workflows
- Designed for demanding laboratory and production test environments

Typical Applications

- Precision S-parameter measurements requiring high repeatability
- High-frequency network analysis where calibration stability is critical
- Production and characterization testing in RF/microwave labs
- Applications demanding reliable, automated calibration procedures

Compatibility & Integration

Designed for vector network analyzers (VNAs) with 3.5 mm connector interfaces. 3.5 mm connectors provide standard coaxial connectivity for high-frequency test setups.

85062A Characteristics / Specifications

PARAMETER	VALUE
Model	85062A
Instrument Type	Electronic calibration kit (microwave ECal)
Connector Type	3.5 mm
Standard Frequency Range	1 GHz to 26.5 GHz
Low Band Module Code 0	45 MHz to 2 GHz calibration module
Control Unit	HP 85060C Electronic Calibration Control Unit required
Host Analyzer Class	HP 8510 network analyzer systems (see 85060C compatibility list)
Maximum Rf Input Power	+20 dBm
Operating Temperature	+20 C to +26 C
Error Corrected Temperature	plus or minus 1 C of measurement calibration temperature
Storage Temperature	minus 40 C to +75 C
Torque 3p5 Mm	90 N-cm (8 in-lb) plus or minus 10 percent
Torque Wrench Part	8710-1765 5/16 in 90 N-cm wrench
High Band Insertable Module	85062-60002 class 1 to 26.5 GHz module (kit overview)
Low Band Module Parts	85062-60001 / 85062-60003 / 85062-60005 45 MHz to 2 GHz modules by gender
Adapters	female-to-female and male-to-male adapters (not included with 00F or 00M)
Manual Part	85062-90001 operating and service manual
Verification Disk	specification/verification program disk 08510-10033
Connector Care Card	08510-90360
Esd Caution	avoid static discharge; +20 dBm maximum marked on modules
Successor Family	N4691B 3.5 mm microwave ECal replaces 85062-series modules
Ports	2
Form Factor	ECal modules plus 85060C controller

85062A Specifications

PARAMETER	VALUE
Applications	Electronic calibration of 8510 systems with 3.5 mm test ports from 1 to 26.5 GHz (plus 45 MHz to 2 GHz when code 001 is fitted).
Key Features	1 to 26.5 GHz 3.5 mm ECal module
Requires 85060C control unit	Codes 00M/00F non-insertable male or female modules
Technical Specifications	Model: 85062A

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	minus 40 C to +75 C
Operating temperature	+20 C to +26 C
Operating Temperature	+20 C to +26 C
Error Corrected Temperature	plus or minus 1 C of measurement calibration temperature
Torque 3p5 Mm	90 N-cm (8 in-lb) plus or minus 10 percent
Torque Wrench Part	8710-1765 5/16 in 90 N-cm wrench
High Band Insertable Module	85062-60002 class 1 to 26.5 GHz module (kit overview)
Low Band Module Parts	85062-60001 / 85062-60003 / 85062-60005 45 MHz to 2 GHz modules by gender
Adapters	female-to-female and male-to-male adapters (not included with 00F or 00M)
Manual Part	85062-90001 operating and service manual
Verification Disk	specification/verification program disk 08510-10033
Connector Care Card	08510-90360
Esd Caution	avoid static discharge; +20 dBm maximum marked on modules
Successor Family	N4691B 3.5 mm microwave ECal replaces 85062-series modules
Ports	2
Form Factor	ECal modules plus 85060C controller Notes From HP 85062A 3.5 mm Electronic Calibration Kit Operating and Service Manual (frequency 1 to 26.5 GHz, code 001 45 MHz to 2 GHz, +20 dBm max input, +20 to +26 C, 90 N-cm torque, 85060C required). Residual error terms are stored in the module characterization, not a single return-loss table in that kit overview.

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	85062A
Instrument Type	Electronic calibration kit (microwave ECal)
Connector Type	3.5 mm
Standard Frequency Range	1 GHz to 26.5 GHz
Low Band Module Code 001	45 MHz to 2 GHz calibration module
Control Unit	HP 85060C Electronic Calibration Control Unit required
Host Analyzer Class	HP 8510 network analyzer systems (see 85060C compatibility list)
Maximum Rf Input Power	+20 dBm
Operating Temperature	+20 C to +26 C
Error Corrected Temperature	plus or minus 1 C of measurement calibration temperature
Storage Temperature	minus 40 C to +75 C
Torque 3p5 Mm	90 N-cm (8 in-lb) plus or minus 10 percent
Torque Wrench Part	8710-1765 5/16 in 90 N-cm wrench
High Band Insertable Module	85062-60002 class 1 to 26.5 GHz module (kit overview)
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Notes	
From HP 85062A 3.5 mm Electronic Calibration Kit Operating and Service Manual (frequency 1 to 26.5 GHz, code	

001 45 MHz to 2 GHz, +20 dBm max input, +20 to +26 C, 90 N-cm torque, 85060C required). Residual error terms are stored in the module characterization, not a single return-loss table in that kit overview.

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 ·
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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.