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Data Sheet

August 13, 2026

AGILENT / HP

Agilent HP 85062-60006 Electronic Calibration Module 1-26.5 GHz

Agilent HP 85062-60006 Electronic Calibration Module 1-26.5 GHz, Precision calibration device supporting VNAs in mid to high-frequency calibration environments.



MODEL

**Agilent / HP
85062-60006**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

85062-60006

LISTING

<https://aumictechlabs.com/products/85062-60006-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent HP 85062-60006 is an Electronic Calibration (ECal) module that delivers traceable impedance standards for Vector Network Analyzer calibration across 1 GHz to 26.5 GHz. This module replaces mechanical calibration kits by employing programmable electronic switches with repeatable impedance states, eliminating operator error and improving measurement repeatability. Factory calibration is traceable to NIST, and S-parameter data stored in module memory allows the VNA to calculate accurate error terms automatically. Technical Specifications Frequency Range: 1 GHz to 26.5 GHz Impedance Standards: Programmable, repeatable electronic impedance standards Calibration Method: Electronic switches with stored S-parameter data for automated error correction Traceability: NIST-traceable factory calibration Control Interface: Parallel port (8-bit bus) via 25-pin D-sub connector; USB not supported Power Supply: External 18-20 VDC (application-dependent) Connector Type: 3.5 mm female, non-insertable Key Features

Programmable and highly repeatable electronic impedance standards eliminate mechanical calibration drift Supports full one- to four-port calibration configurations with minimal operator interaction Reduces calibration time compared to mechanical methods Factory calibration accuracy propagated through transfer standard design Connector integrity critical to maintaining calibration accuracy Typical Applications Mid to high-frequency VNA calibration Production and field test environments requiring rapid, repeatable calibration Multi-port device characterization (1 to 4-port configurations) Compatibility & Integration Designed for Agilent and Keysight Vector Network Analyzers including PNA, ENA, PXI VNA, FieldFox, and USB VNA series. Legacy support confirmed for HP 8510B/C, 8719C, 8720C, 8722C, and 8753C/D/E/ES. Dedicated calibration controllers such as the HP 85060C or Keysight 85097-60002 may be required. Compatibility is firmware-dependent; older models may require specific interface hardware and firmware revisions.

Features & description

From manufacturer datasheet

Features

- High band coverage 1 GHz to 26.5 GHz
- Non-insertable female 3.5 mm connector configuration Option 00F
- Part of HP 85062A 3.5 mm Electronic Calibration Kit
- Requires HP 85060C Electronic Calibration Control Unit
- Factory characterization stored in module memory
- Maximum input +20 dBm caution marking
- Works with HP 8510-class and compatible analyzers via 85060C

Applications

- Electronic calibration of VNAs with 3.5 mm female non-insertable DUTs
- High-band 1 to 26.5 GHz ECal with 85060C control unit
- Replacement module for 85062A Option 00F kits
- Single-connection electronic standards vs mechanical kits

8506260006 Characteristics / Specifications

PARAMETER	VALUE
Model	85062-60006
Manufacturer	Hewlett-Packard / Agilent / Keysight
Instrument Type	Electronic Calibration Module
Alias	85062-60006; HP 85062A high band female ECal module
Kit family	85062A 3.5 mm Electronic Calibration Kit
Frequency range	1 GHz to 26.5 GHz
Band designation	high band
Connector configuration	non-insertable female
Kit option	Option 00F (OOF)
Connector type	3.5 mm
Control unit required	HP 85060C Electronic Calibration Control Unit
Related insertable high band	85062-60002
Related noninsertable male high band	85062-60004
Related low band female	85062-60005 (45 MHz to 2 GHz)
Related low band insertable	85062-60001
Maximum input power caution	+20 dBm
Static discharge caution	avoid static discharge
Torque for 3.5 mm	90 N-cm (8 in-lb)
Operating environment	per 85062A kit environmental specifications
Interface connector multi pin	DB-25 class module interface
Protective end caps part class	1252-4690
Manual	85062-90001 Operating and Service Manual
Verification disk kit	08510-10033 class
Traceability	factory characterized standards in module memory
Analyzer examples	HP 8510 family via 85060C

PARAMETER

VALUE

Port labeling

Port A / PortBon module Notes Identity and frequency from HP 85062A Operating and Service Manual 85062-90001. Confirm Option 00F female non-insertable marking and 85060C control unit availability.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Interface connector multi pin	DB-25 class module interface
Protective end caps part class	1252-4690
Manual	85062-90001 Operating and Service Manual
Verification disk kit	08510-10033 class
Traceability	factory characterized standards in module memory
Analyzer examples	HP 8510 family via 85060C
Port labeling	Port A / PortBon module Notes Identity and frequency from HP 85062A Operating and Service Manual 85062-90001. Confirm Option 00F female non-insertable marking and 85060C control unit availability.

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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Manufacturer	Hewlett-Packard / Agilent / Keysight
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Kit option	Option 00F (00F)
Connector type	3.5 mm
Control unit required	HP 85060C Electronic Calibration Control Unit
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Notes

Identity and frequency from HP 85062A Operating and Service Manual 85062-90001. Confirm Option 00F female non-insertable marking and 85060C control unit availability.

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>

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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.